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List of Workshop Manual Repair Groups

Repair Group

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Technical information should always be available to the foremen and mechanics, because their careful and constant adherence to the instructions is essential to ensure vehicle road-worthiness and safety. In addition, the normal basic safety precautions for working on motor vehicles must, as a matter of course, be observed.

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00 – General, Technical Data

1 Safety Precautions

(Edition 05.2019)



Jetta 2011 ➤ , Jetta 2013 ➤ Body Interior - Edition 05,2019

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- ⇒ "1.2 Safety Precautions for Pyrotechnic Components",
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- ⇒ "1.7 Passenger Occupant Detection System Deactivation Additional Safety Precautions, Market-Specific", page 9
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- ⇒ "1.9 Restraint System Pyrotechnical, Electric and Mechanical Components, Replacing After a Collision", page 9
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- ⇒ "1.20 Automatic Dimming Interior Rearview Mirror Safety Precautions", page 15

1.1 Safety Precautions when Working on Vehicles with Start/Stop System

Note the following when working on vehicles with a Stop/Start system:



WARNING

There is a risk of injury if the engine starts automatically in vehicles with a Start/Stop System.

- For vehicles with an activated Start/Stop System (recognized by a signal in the instrument cluster), the engine can be started automatically if needed.
- Make sure that the Start/Stop System is deactivated when working on the vehicle (turn off the ignition, turn on the ignition when necessary).

1.2 Safety Precautions for Pyrotechnic Components



Note

Pyrotechnic components:

- ◆ Airbag units
- ♦ Belt Tensioner
- ◆ Seat belt force limiter (depending on vehicle equipment)
- ♦ Battery cut-out elements (depending on vehicle equipment)

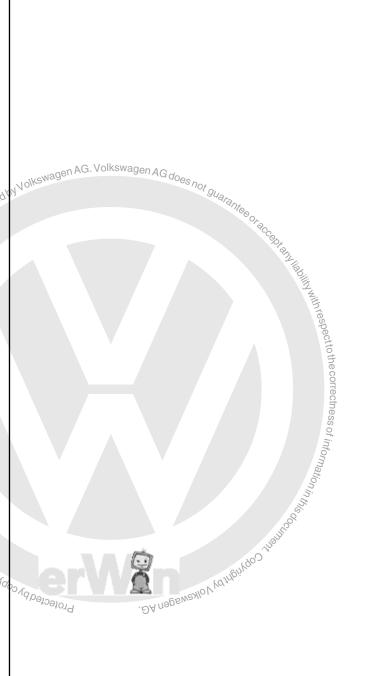


General



Caution

- ◆ Testing, assembly, and repair work may only be performed by qualified personnel.
- ◆ There is no change interval for airbag units.
- ♦ Never test with a test light, volt meter or ohm meter.
- The pyrotechnic components may be checked only when they are installed and with a manufacturer approved vehicle diagnostic tester.
- When working on pyrotechnic components and on the Airbag Control Module J234-, the battery ground cable must be disconnected when the ignition is switched on. Then cover the negative terminal.
- ♦ Wait for 10 seconds after disconnecting the battery.
- The ignition must be SWITCHED ON when connecting the battery. Nobody should be inside the vehicle with doing this. Exception: Vehicles with a battery inside the passenger compartment. Stay away from the airbags and the safety belts.
- If after reconnecting the battery, the ignition does not turn on - indicator lamp in the instrument cluster does not illuminate - keep head and arms far away from the steering wheel and the installed knee airbag if possible, so that they are not near the airbags and the safety belts during the first attempt to start the ignition.
- Follow the steps after connecting the battery Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery Battery, Disconnecting and Connecting.
- ◆ Before handling pyrotechnic components of the restraint system, for example, before disconnecting the connector, the technician must discharge static electricity. Touching grounded metal parts, for example, touching the door striker, will discharge the static electricity.
- Wash hands after touching ignited restraint system pyrotechnic components.
- Pyrotechnic components may not be opened nor repaired; always use new parts (risk of injury).
- Pyrotechnic components that have fallen onto a hard surface or show signs of damage must not be installed in vehicle.
- ◆ Pyrotechnic components should be installed immediately upon removal from shipping package.
- ♦ If the work must be stopped for awhile, put the pyrotechnic component back into its shipping package.
- ◆ Do not leave the pyrotechnic component out unattended.
- When connecting restraint system pyrotechnic components, only the person performing the work should be in the vehicle.
- ◆ Do not use any grease, cleaning solutions or similar on pyrotechnic components.
- Replace the airbag unit if any contaminants such as oil, grease, paint, dye or solvents have penetrated the fabric.



◆ Pyrotechnic components must not be exposed to temperatures over 100 °C, even for a short time.

Special information regarding driver and front passenger airbags

 Store the driver and front passenge airbag units in the uninstalled state so that the cushioned side faces upward.

When replacing airbag units, the following sequence must be followed exactly:

- Remove the old airbag unit and store with the upholstered side facing up.
- 2 Remove the new airbag unit from the transport container and store it with the upholstered side facing up.
- Place the old airbag unit in the transport container immediately.
- 4 Install the new airbag unit in the vehicle.

Belt Tensioner Special Notes

- Use extreme care when removing and installing belt tensioner units. Handling belt tensioner units improperly is very dangerous and could result in serious personal injury.
- Belt tensioner units that are mechanically damaged (dents, cracks) must always be replaced.
- The open end of the belt tensioner should never be pointed at anyone.
- When connecting a belt tensioner, all mechanical parts, including those in the three-point seat belt, must be secured correctly. If it is not possible to connect the belt tensioner because of insufficient space, the seat belt webbing must be rolled up completely prior to connection. In this case there is no increased safety risk, if all other safety instructions are followed. In particular, this includes the notes regarding the disconnection of the battery and the static discharging of the technician prior to connection of the belt tensioner.
- Even after a crash, it is possible that the belt tensioner ignited, but the belt force limiter did NOT. Treat these components as if they had not ignited!

1.3 Airbag, Belt Tensioner and Battery Cut-Out Units, Storing, Transporting and Disposing (Pyrotechnic Components)

- Storage must conform to national legislation.
- Transport must conform to national and international guidelines, whereby packaging, identification and shipping documents are controlled to the greatest detail.
- Undeployed pyrotechnic components must be disposed of in an orderly manner, conforming to national legislation, in their original packaging! Direct questions to the importer.
- Only pyrotechnic components, which have been ignited completely, may be disposed in industrial waste.





WARNING

- This does not apply to belt tensioners that function according to the Wankel pretensioner principle. These are to be treated like undeployed pyrotechnic components (such as airbags, seat belts, pyrotechnic battery cut-out elements).
- Workshop equipment cannot determine if Wankel belt tensioners have deployed all pyrotechnic materials.

1.4 Additional Thorax Airbag Safety Precautions



Caution

- ♦ We recommend using original equipment seat covers.
- Seat covers or extra covers that are not approved specially for use on Audi seats with thorax airbags must not be used.
- ◆ Do not cut the backrest material in thorax airbag area.
- ♦ When installing, the seam in thorax airbag region must run straight.
- All upholstery clips must be replaced (metal and plastic clips).
- Using original equipment upholstery clips is recommended.
- During installation, all upholstery clips must be placed in the same place they were when they were removed.
- If cover is damaged (with rips, burned holes, etc.) in thorax airbag region, it must be replaced for safety reasons so that airbag deploys correctly.
- Do not repair the backrest cover in the thorax airbag area (because of special materials and strictly defined seams).
- Always replace the backrest cushion if the thorax airbag deploys.
- After an accident, all damaged parts must be replaced. If no airbag unit damage is detected, the airbag unit can still be used.
- If thorax airbag units are replaced, the new thorax airbag number sticker should be removed and placed over the old sticker on the seat pan.
- Do not poke the cover with an upholstery needle or other sharp objects near the airbag, the Front Passenger Seat Occupant Sensor G128- or the passenger occupant detection system mat.



1.5 Additional Head Curtain Airbag Safety Precautions

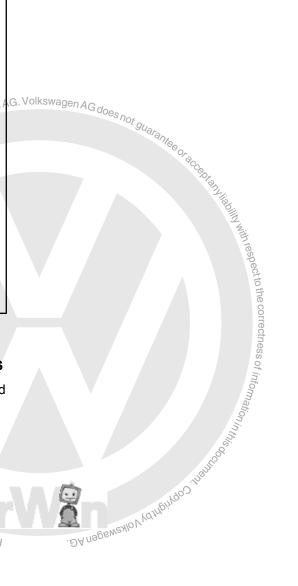


Caution

- Visually inspect the trim panels for damage every time before installing.
- ◆ Do not make any repairs to the trim panels (upper A-pillar trim panel, B-pillar-, C-pillar-, and D-pillar trim panels).
- ◆ Ensure secure trim panel fit when installing.
- Always replace the entire module when making repairs behind the head curtain airbag.
- Handle head curtain airbag modules with great care when removing and installing them to prevent causing any damage.
- Place any removed head curtain airbag modules back in their transport containers or on a clean and even surface with a cloth underneath.
- After servicing the body in the vicinity of the head curtain airbag, check the body for welding beads, deformation and chafe marks (compare with opposite side of vehicle if necessary).
- As long as the gas generator is NOT attached, hold it securely when transporting, removing and installing, etc.
- Never rotate, coil, knot, throw slide, push, hang, squeeze, press, pinch or clamp the head curtain airbag module.
- ♦ They may be folded as long as this does not damage them, especially the protective cover.

1.6 Front Thorax Airbag Crash Sensors (Pressure Sensors) Safety Precautions

The thorax airbag crash sensors react to changes in pressure and therefore must be handled very carefully. Note the following points:







Caution

- Always pay attention to the correct installation position and only install in the component location intended in the doors.
- Protect the crash sensor from bumps and impacts. Do not use a crash sensor if it has fallen on the floor. When doing body work on the door, the crash sensor should be removed.
- The crash sensor is calibrated to the volume of air inside the door. If the door is deformed resulting in a reduced air space inside the door, the function of the crash sensor will be impaired.
- ◆ Avoid contamination of the crash sensor. Do not use compressed air in the area surrounding the crash sensor. Protect crash sensor from filings or shavings (for example, when installing door speakers later). Do not use cavity sealant or spray lubricant in the area of the crash sensor.
- State be

 Trim

 Second Manufactory

 The Manufactory

 Second Manufa Protect against heat and cold. Avoid heating, for example when painting or doing other body work. Crash sensors should not be subjected to temperatures below -40 °C (for example, in non-climate-controlled airplane cargo holds).
- Protect the crash sensor from moisture when storing or installing it.

For proper crash sensor function, effective door seal must be ensured after installation. Note the following points:

- All components (for example, cover, speaker, door trim panel) must be installed correctly.
- The door trim panel clips seal the system. If necessary, replace the clips. Semmo to desired of the indo of bedoes ord



1.7 Passenger Occupant Detection System Deactivation Additional Safety Precautions, Market-Specific

Volkswagen



Caution

- ◆ After each repair to the front passenger seat where the seat and/or backrest cover was »removed«, a basic setting of the passenger occupant detection system control module must be performed using the Vehicle Diagnostic Tester.
- Do not bend the passenger occupant detection system mat.
- Make sure the components of the passenger occupant detection system do not fall onto hard surfaces, do not come into contact with grease and do not risk damage by resting against sharp objects.
- ♦ The mat, the fleece and various covers must be fitted to be free of folds.
- Make sure the seat padding and cover are positioned correctly when installing.
- Replace all upholstery clips or clips and make sure they are positioned correctly on the seat.
- Make sure that no objects are placed on seat when performing basic setting.
- The use of additional seat cushions such as pillows impairs the function of the passenger occupant detection system and the operation of the airbag system.
- 1.8 Passenger Occupant Detection System Deactivation After a Collision, Market-Specific

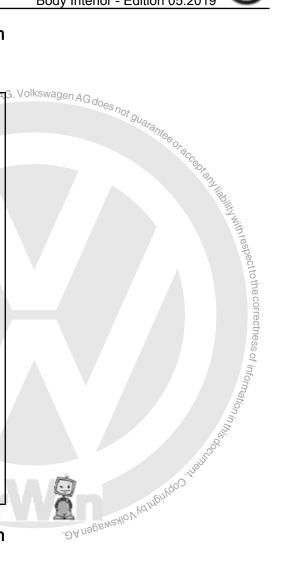


Caution

- Each time an airbag or passenger belt tensioner deploys, a basic setting must be performed on the passenger occupant detection system control module using the Vehicle Diagnostic Tester.
- The passenger occupant detection system must be replaced if the seat rails and/or seat pan are replaced after an accident due to deformation. Perform a "basic setting" on the passenger occupant detection system control module using the Vehicle Diagnostic Tester.
- 1.9 Restraint System Pyrotechnical, Electric and Mechanical Components, Replacing After a Collision

Special tools and workshop equipment required

Vehicle Diagnostic Tester







Note

- The airbag control module can be used for up to two deployments of the side airbag and/or belt tensioner with airbag generation 8.* »not 8.Ř«.
- The airbag control module can be used for up to two side, driver and passenger airbag and/or belt tensioner deployments with airbag generation 9.*, 10.* and 8.R.
- After the third deployment, the malfunction indicator "Control module faulty" appéars.

The airbag control module must be replaced:

- not be

 unting

 ounting

 ounti with driver and passenger airbag deployment but not with airbag generation 9.*, 10.* and 8.R°. Refer to ⇒ page 10
- After three side airbag, driver airbag, passenger airbag or belt tensioner deployments.
- if housing is damaged
- if there is deformation on tunnel in 200 mm circumference around control module

Always replace the following:

All deployed airbag units

Also with front passenger airbag deployment:

- Instrument Panel
- Deformed passenger front passenger airbag unit (cannot be reformed)
- All sensors for front airbag on the front end
- Remaining transverse acceleration sensors if the mounting points are deformed in the sensor area

Also with driver airbag deployment:

- Return spring with slip ring
- All sensors for front airbag on the front end
- Remaining transverse acceleration sensors if the mounting points are deformed in the sensor area

Also with thorax airbag deployment;

- Pressure sensors on the deployed side
- Transverse acceleration sensors on the deployed side
- Cover
- Cushion
- With a folding rear seat backrest: side cushion (if equipped)
- Remaining transverse acceleration sensors if the mounting points are deformed in the sensor area

Also:

- All automatic belt retractors with deployed belt tensioners.
- All automatic belt retractors with deployed seat belt force limiters (depending on vehicle equipment).
- Seat belt latches for all automatic belt retractors with deployed seat belt tensioners with the belt on

- Seat belt height adjuster (manual and power) for all automatic belt retractors with deployed seat belt tensioners with the belt on
- Connect the Vehicle Diagnostic Tester if there is a chance the belt tensioner and/or seat belt force limiter deployed.
- In »Guided Fault Finding« under "15 Airbag", check whether there is a crash entry in the airbag control module.
- Also check if the "Resistance too large" error is stored for the belt tensioner and/or belt force limiter. Deployed belt tensioners and/or belt force limiters must fulfill both conditions. "Requirement: the airbag control module was not replaced yet".



Note

- ◆ The "Resistance too large" error may also be stored if there is an open circuit. Then there is normally no crash entry.
- ◆ Depending on the crash, the belt tensioner may have deployed while the belt force limiter did »NOT«. In that case, follow the disposal information for pyrotechnic components. Refer to ing. 3 Airbag, Belt Tensioner and Battery Cut-Out Units, Storing, Transporting and Disposing (Pyrotechnic Components)", page 5.
- ♦ Also check the seat belts. Refer to ⇒ "1.12 Seat Belts, Checking", page 12.
- If parts of the seat belt system are removed due to an accident, replace the belt system bolts.
- Inneeded (visual inspection), the following must also be replaced: all faulty components.
- After replacing the airbag units or the control module, affix stickers (only tear-off strips) to the registration card and return the registration card to the relevant Sales Center or to the Importer for registration.

1.10 Airbag Fasteners, Checking After a Collision

All damaged fastening elements must always be replaced. Reshaping the components or »making them fit« is not permitted.

The following components must be checked after every airbag deployment.

With front passenger airbag deployment:

- Instrument panel central tube; front passenger airbag supports and passenger airbag unit must be installed free of tension. Otherwise the central tube is to be replaced.
- Check the glove compartment for damage. Replace the glove compartment if damaged.

With driver airbag deployment:

- Steering wheel: Remove the steering wheel and place it with the steering wheel rim on a flat surface. The entire steering wheel rim must rest on the surface. Otherwise the steering wheel should be replaced.
- Check steering wheel for smoke residue. If smoke residue is present, replace the steering wheel.

1.11 Collision without Airbag Deployment

If the Airbag Indicator Lamp - K75- does not indicate a malfunction, then it is not necessary to replace the pyrotechnic components. Seat belts must be checked separately.

1.12 Seat Belts, Checking



WARNING

After every accident the seat belt system must be inspected systematically! If damage is determined at any inspection point, the customer must be informed that it is necessary to replace the seat belt.

Inspection Points

- Check the seat belt webbing. Refer to ⇒ "1.13 Seat Belt Webbing, Checking", page 12.
- Check the automatic belt retractor (locking function). Refer to ⇒ "1.14 Automatic Belt Retractor (Locking Function), Checking", page 13.
- Visual inspection of the seat belt latch. Refer to ⇒ "1.15 Seat Belt Latch, Visually Inspecting", page 14
- Seat belt latch function test. Refer to "1.16 Seat Belt Latch, Function Test", page 14.
- Check the seat belt relays and belt tongue. Refer to ⇒ "1.17 Seat Belt Relays and Belt Tongue, Checking", page 14.
- Check the fasteners and mounting points. Refer to ⇒ "1.18 Fasteners and Mounting Points, Checking After a Collision", page 15.



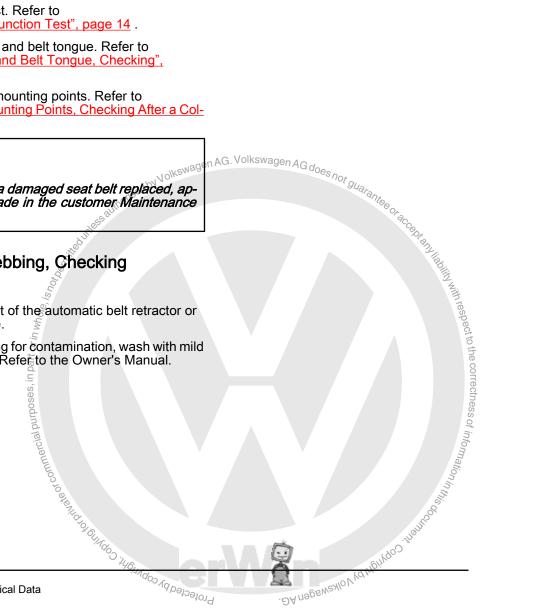
Caution

If customer refuses to have a damaged seat belt replaced, appropriate note should be made in the customer Maintenance booklet.

1.13 Seat Belt Webbing, Checking

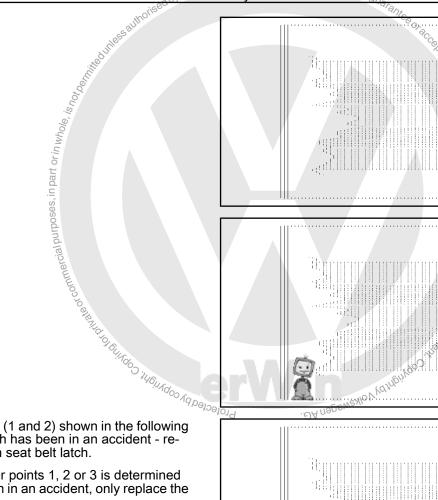
Procedure

- Pull the belt completely out of the automatic belt retractor or lap belt adjustment tongue.
- Check the seat belt webbing for contamination, wash with mild soapy water if necessary. Refer to the Owner's Manual.





with respect to the correctness of information



- If one of the types of damage (1 and 2) shown in the following is detected on a vehicle which has been in an accident - replace the entire seat belt with seat belt latch.
- If damage as illustrated under points 1, 2 or 3 is determined on a vehicle that has not been in an accident, only replace the damaged seat belt.
- 1 Seat belt webbing cut, torn or frayed.
- 2 Webbing loops on seat belt edge torn.
- 3 Burn marks from cigarettes or similar.

1.14 Automatic Belt Retractor (Locking Function), Checking

The automatic belt retractor has two locking functions.

 The first locking function is initiated by the belt being jerked out of the belt retractor (belt extraction acceleration).

Test 1

- Pull the seat belt webbing out of the automatic belt retractor with a firm jerk.
- No locking effect replace the entire seat belt with seat belt latch.
- If difficulties are experienced when pulling out or retracting belt, first check whether position of the belt retractor has been altered.
- The second locking function is initiated by change in vehicle velocity (vehicle-dependent locking function).



Test 2



WARNING

For safety reasons, road test should be carried out on trafficfree stretch to ensure that other drivers/pedestrians etc. are not endangered.

- Fasten the seat belt.
- Accelerate the vehicle to 20 km/h (12 mph) and then perform a hard braking maneuver with the foot brake.
- Replace the entire seat belt with the seat belt latch if the seat belt is not locked by locking mechanism during the braking procedure.

1.15

1.16

Seat Belt Latch, Checking

Release, Checking



1.17

...th, Visually
...n for the formation c
...d the entire seat belt with se
...Belt Latch, Function Test
...Checking
...belt tongue into the seat belt latch until it clic.
...heck whether the locking mechanism is proper.
...by giving the seat belt with the seat belt latch if the bungue fails even once to engage properly in the seat belt latch during at least five tests.

Release, Checking

Press the seat belt latch to release the seat belt. With the seat selt latch whout assistance.

Ym the fest at least five times. Replace the entire seat belt as seat belt latch if the belt tongue fails to spring out even

IRNING

It Relays and Belt Tongue,

how fine parallel grooves after strains fastened during accident). (Wear fentified by smooth signs of wear

ipture and the formation of
.. replace the entire seat The plastic-covered guides show fine parallel grooves after straining of the belt system (belt was fastened during accident). (Wear from frequent belt use can be identified by smooth signs of wear that are free of scoring.)

1.18 Fasteners and Mounting Points, Checking After a Collision

- Seat belt latch tongue deformed (fully extended).
- Height adjustment not functional.
- Anchorage points (seat, pillar, vehicle floor) distorted or threads ďamaged.
- If damage is found on the components, replace the entire seat belt with the seat belt latch.
- If parts of the seat belt system are removed due to an accident, replace the belt system bolts.
- vints. Volkswagen AG _{does not} gu_{arante,} Replace the mounting points.



Note edby Volk

In damage is discovered that is not accident-related, for example, wear, replace only the particular part which is damaged.

Child Seat Anchors, Checking After Col 1.19

Inspection Points

- are of commercial purposes, in part or in whole, Child seat anchors must be checked for damage or deformation after a collision.
 - Child seat anchors welded or bolted into the body or the seat or backrest must not be repaired or straightened.
 - Child seat anchors bolted into the body, seat or backrest must be replaced if damaged or deformed.
 - Child seat anchors bolts should be replaced if bracket is damaged.

Automatic Dimming Interior Rearview 1.20 Mirror Safety Precautions



WARNING

- To produce its unique properties, the interior rearview mirror glass is composed of several layers and contains an electrolyte. Be careful of electrolyte leaking from a broken mirror.
- The liquid electrolyte can cause irritation to the skin, eyes and respiratory system.
- If liquid electrolyte comes into contact with the eyes or skin, flush thoroughly with plenty of water. If irritation persists, seek medical attention immediately.



Caution

Electrolyte leaking from a broken mirror will damage all plastic surfaces it comes in contact with. Remove spilled electrolyte immediately using clean water and a sponge.

2 Repair Information



Repair Information

⇒ "2.1 Contact Corrosion", page 16

≥ "2.2 Line Routing and Secting", page 16

2.1 Contact Corrosion

Contact corrosion can occur if incorrect fasteners (bolts, nuts, washers, etc.) are used.

For this reason, only connecting elements with a special surface coating are installed.

In addition, rubber or plastic parts and adhesives are made of non-conductive materials.

Use new parts if necessary. Refer to the Parts Catalog.

It is recommended to use Original Replacement Parts because they have been tested.

It is recommended to use Original Replacement Parts because they have been tested.

Contact corrosion damage is not covered under warranty!

2.2 Line Routing and Securing

Make a sketch or take photographs if hydraulic lines, pneumatic lines or wires are going to be loosened or if they are going to be removed and installed again later. This assures the wires will be removed and installed again later. This assures the wires will be removed and installed again later. This assures the wires will be removed and installed again later. This assures the wires will be removed and installed again later. This assures the wires will be removed and installed again later. This assures the wires will be removed and installed again later. This assures the wires will be removed and installed again later. This assures the wires will be removed and installed again later. This assures the wires will be removed and installed again later. This assures the wires will be removed and installed again later. · ĐA nagen agen AG, Protected by copy reconnected correctly.

68 – Interior Equipment

Storage Compartments and Covers

- ⇒ "1.1 Storage Compartment, Removing and Installing", page 17
- ⇒ "1.2 Steering Column Trim Panel, Removing and Installing",
- ⇒ "1.3 Driver Side Instrument Panel Cover, Removing and Installing", page 19
- ⇒ "1.4 Glove Compartment, Removing and Installing", page 20
- ⇒ "1.5 Glove Compartment Lock Cylinder, Removing and Installing", page 22
- ⇒ "1.6 Glove Compartment Decorative Trim, Removing and Installing", page 23
- ⇒ "1.7 Eyeglass Compartment, Removing and Installing", page 24

Storage Compartment, Removing and 1.1 Installing

Removing

Switch off the ignition.

Vehicles with Automatic and DSG® Transmission

Remove the selector lever boot from the cover. Refer to ⇒ Rep. Gr. 37.

Vehicles with Manual Transmission

Remove the selector lever boot from the cover. Refer to ⇒ Protected by copy. Rep. Gr. 34.

All Vehicles

- Remove the two bolts -3- (1.5 Nm).
- Remove the storage compartment -1- from the center console -2- and disconnect the wiring harnesses (depending on the vehicle equipment level).

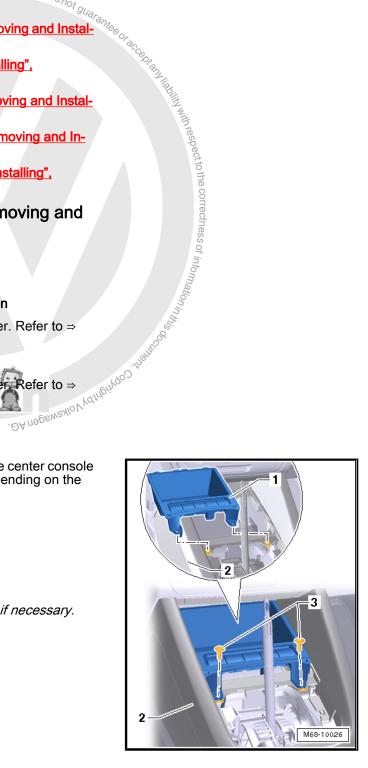
Installing

Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.



Steering Column Trim Panel, Removing 1.2 and Installing

Special tools and workshop equipment required

◆ Trim Removal Wedge - 3409-

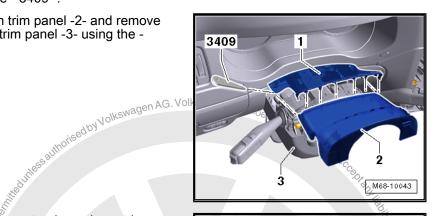


Note

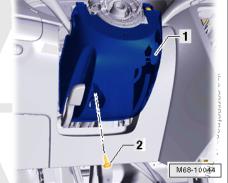
For reasons of clarity, the steering wheel is not shown in the illustration. It is not necessary to remove it.

Removing

- Release the steering wheel adjustment lever.
- Pull the steering out and push is down.
- Loosen the gap cover -1- from the mounts on the upper steering column trim panel -2- using the - 3409- .
- Loosen the upper steering column trim panel -2- and remove it from the lower steering column trim panel -3- using the -3409-.



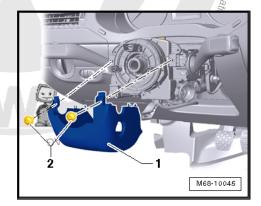
Remove the screw -2- from the lower steering column trim panel -1- (1.5 Nm).



- Remove the two screws -2- (1.5 Nm). Turn the steering wheel so that the bolts are accessible.
- Release the steering wheel adjustment lever.
- Remove the steering column lower trim piece -1- from the Protected by copyright, Co. steering column.

Installing

Install in reverse order of removal.



1.3 Driver Side Instrument Panel Cover, Removing and installing



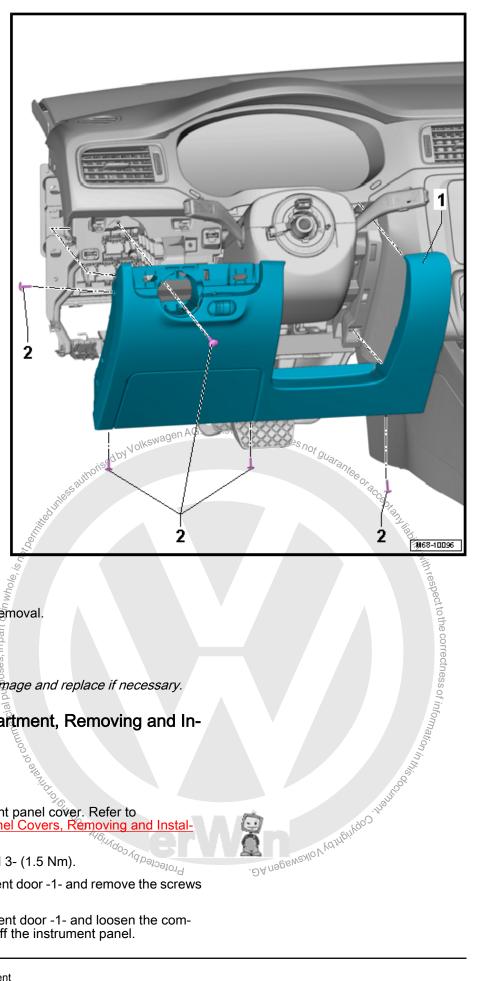
Note

For reasons of clarity, the steering wheel is not shown in the illustration. It is not necessary to remove it.

Removing

- Switch off the ignition.
- Jetta 201
 Body Interio

 Senagen AG. Volkswagen AG does not guarante gorden de la land de Remove the side instrument panel cover on the driver side. Refer to ⇒ "2.1 Side Instrument Panel Covers, Removing and Instal-<u>ling", page 170</u>.
- Remove the left driver side decorative trim. Refer to ⇒ "2.4 Left Decorative Trim, Driver Side, Removing and Installing", page 175.
- Push the rotary light switch forward, turn it to the right until it is vertical, pull it out and disconnect the wiring harness.
- Remove the bolts-2- (1.5 Nm).
- Loosen the left instrument panel cover on the driver side -1off the instrument panel Then disconnect the wiring harness from the Headlamp Range Control Adjuster - E102-Protected by cop



Installing

Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

Glove Compartment, Removing and In-1.4 stalling

Removing

- Switch off the ignition.
- Remove the side instrument panel cover. Refer to ⇒ "2.1 Side Instrument Panel Covers, Removing and Installing", page 170 Protected by copyrig
- Remove the screws -2 and 3- (1.5 Nm).
- Open the glove compartment door -1- and remove the screws -4- (1.5 Nm).
- Close the glove compartment door -1- and loosen the complete glove compartment off the instrument panel.

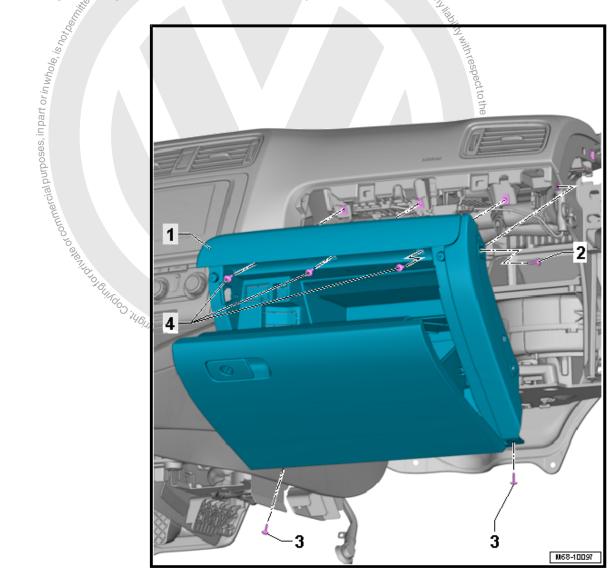


- Disconnect the wiring harness from the Glove Compartment Lamp - W6- .

- Disconnect the wiring harness from the Lamp Switch E26-.

 If the vehicle has glove compartment cooling, remove the does not guarantee channel from the glove compartment.

 Thicle has footwell lamps, disconnect the wiring harmont pant pant nanel.



Installing

Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

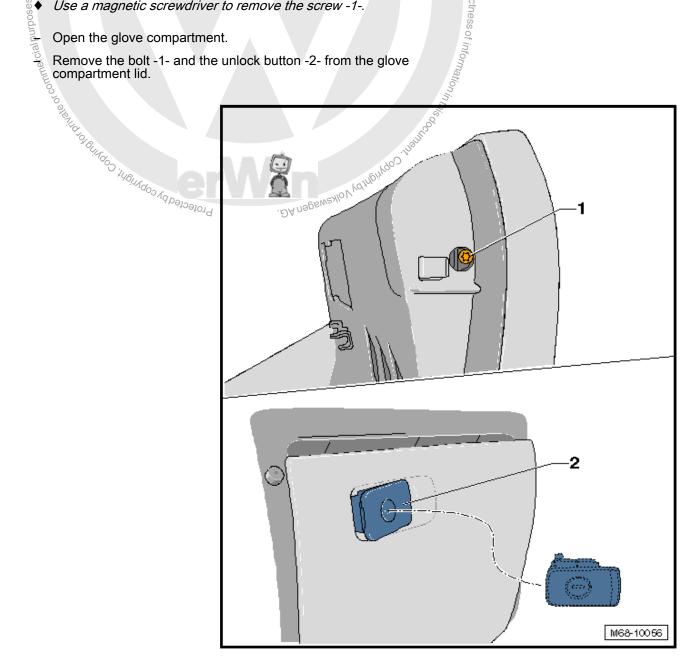
Glove Compartment Lock Cylinder, Re-1.5 moving and Installing

Removing



Note

- It is not possible to remove just the lock cylinder -1-. The release button -2- must be replaced.
- Use a magnetic screwdriver to remove the screw -1-.
- Open the glove compartment.
 - Remove the bolt -1- and the unlock button -2- from the glove compartment lid.



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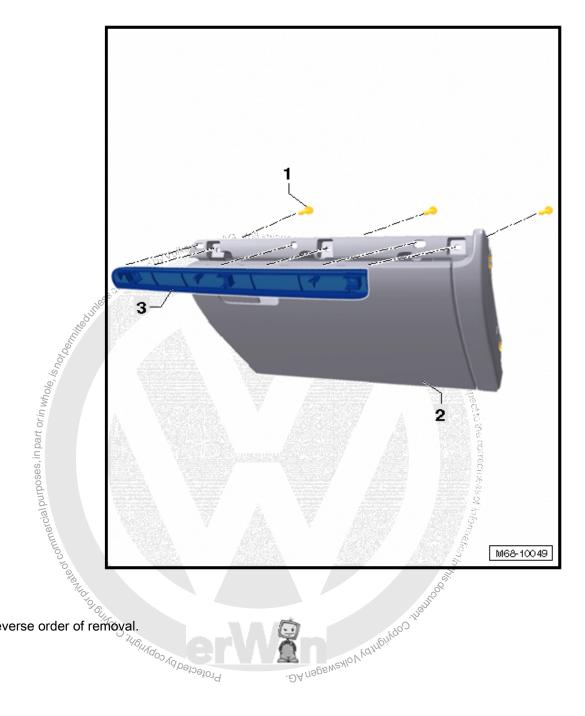
Installing

- Install in reverse order of removal.

1.6 Glove Compartment Decorative Trim, Removing and Installing

Removing

- Remove the glove compartment. Refer to ⇒ "1.4 Glove Compartment, Removing and Installing", page 20
- Remove the screws -1- (1.5 Nm).
- Remove glove compartment decorative trim -3- from the glove compartment -2-.



Installing

 Install in reverse order of removal. Protected by copyright.

1.7 Eyeglass Compartment, Removing and Installing

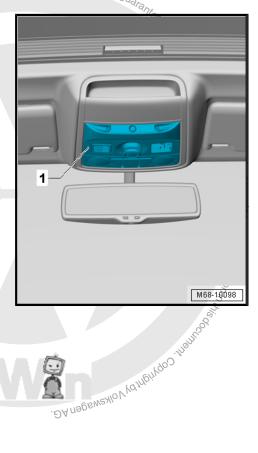
Removing



Note

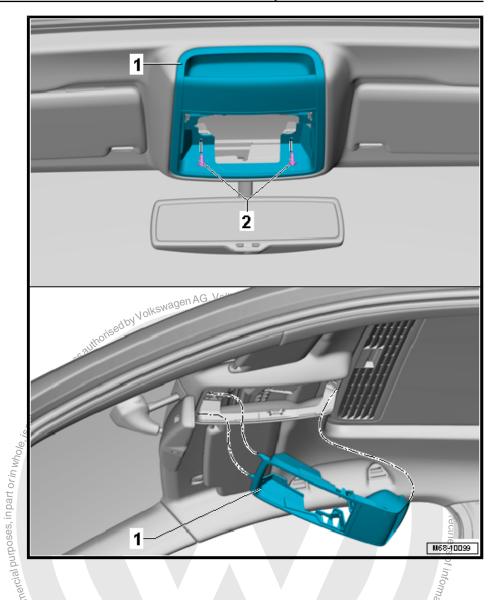
The following describes removing and installing an "open" eyeglass compartment. Removing and installing a "closed" eyeglass AG. Volkswagen AG does not guara, Nolkswagen AG does not guara, Nolkswagen AG does not guara,

Remove the lamps and switches -1- from the headliner. Refer to ⇒ Electrical Equipment; Rep. Gr. 96; Controls; Component Location Overview - Controls in Roof Trim Panel and ⇒ Electrical Equipment; Rep. Gr. 96; Lamps; Component Location Overview - Roof Trim Panel Lamps



- seorcommercial purposes, in part or in whole, isn, Remove the screws -2- from the eyeglass compartment -1-
- Remove the eyeglass compartment -1- from the headliner. Protected by copyright.





Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary. Protected by copyright



Equipment 2

- ⇒ "2.1 Sun Visor, Removing and Installing", page 26
- ⇒ "2.2 Roof Grab Handle, Removing and Installing", page 27
- ⇒ "2.3 Bracket and Roof Grab Handle, Removing and Installing", page 28

2.1 Sun Visor, Removing and Installing

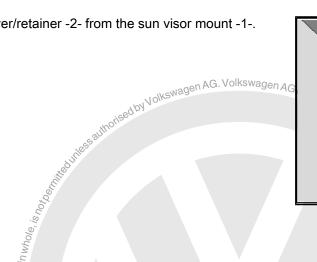


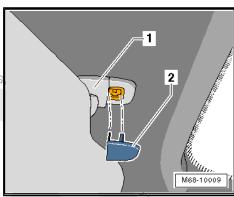
Note

The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is

Removing

Remove the cover/retainer -2- from the sun visor mount -1-.





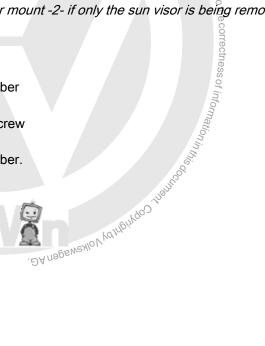


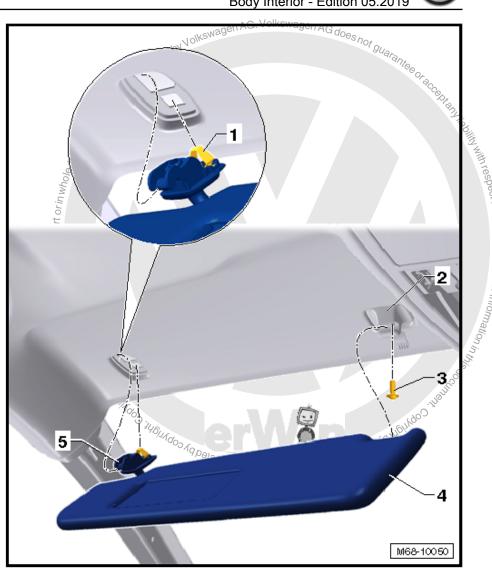
Note

It is not necessary to remove the screw -3- and the sun visor mount -2- if only the sun visor is being removed.

- Remove the sun visor -4- from the sun visor mount -2-.
- Loosen the clip -1- on the sun visor mount -5-.
- Remove the sun visor mount -5- from the roof crossmember and remove the sun visor -4-.
- Open the cap on the sun visor mount -2- and remove the screw -3- (2.0 Nm).
- Remove the sun visor mount -2- from the roof crossmember.

Protected by copyright, Copyright





Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

2.2 Roof Grab Handle, Removing and Installing



Note

Illustration shows the left front grab handle, removing and installing the remaining grab handles is identical.

Removing

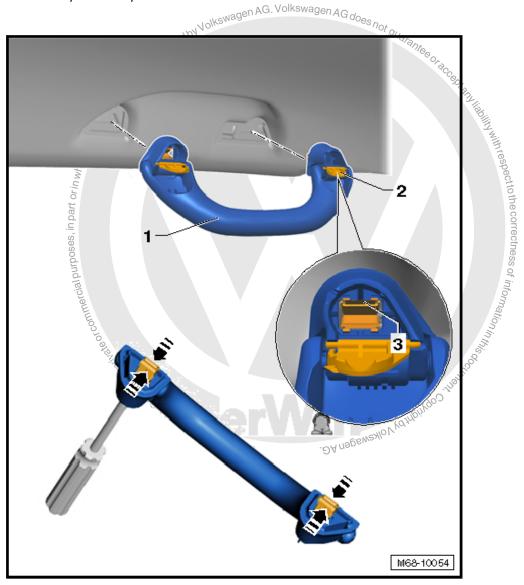
- Fold the roof grab handle -1- and open the caps -2-.
- Release the metal clips -3- using the -VAS6427- and loosen the grab handle from the mounts. $\label{eq:control} % \begin{subarray}{l} \end{subarray} % \begin$





Note

It is also possible to use a screwdriver to open the clips.



Installing

Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

2.3 Bracket and Roof Grab Handle, Removing and Installing



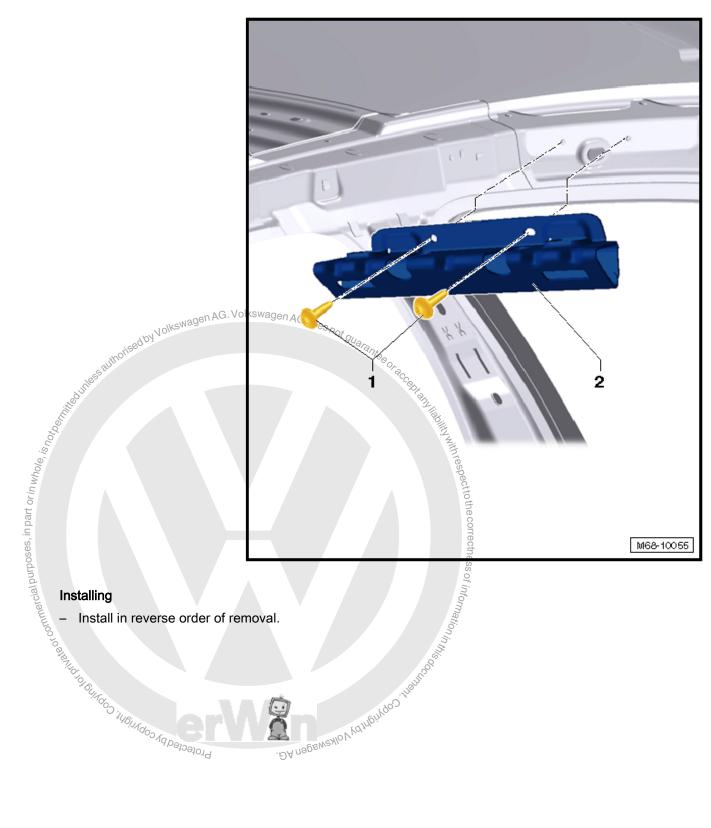
Note

Illustration shows the left front bracket, removing and installing the remaining brackets is identical.

Removing

- Lower the headliner (loosening and securing). Refer to
 ⇒ "6.2 Headliner, Removing and Installing", page 235
- Remove the screws -1- (4.5 Nm) and the bracket -2-.

Allocation of bracket installed. Refer to the Parts Catalog.



- Install in reverse order of removal.

3 Center Console

- ⇒ "3.1 Center Console, Removing and Installing, Basic ", page 30
- ⇒ "3.2 Center Console, Removing and Installing, Comfort and Highline", page 33
- ⇒ "3.3 Rear Center Console Trim, Removing and Installing, Comfort and Highline", page 38
- ⇒ "3.4 Rear Center Console Trim Bracket, Removing and Installing, Comfort and Highline ", page 39
- ⇒ "3.5 Rear Center Console Storage Compartment Cover, Removing and Installing, Comfort and Highline", page 40
- ⇒ "3.6 Center Console Securing Bracket, Removing and Installing", page 41

3.1 Center Console, Removing and Installing, »Basic«

Removing

- Switch off the ignition.

Vehicles with Automatic Transmission

- Move the selector lever into "N".
- Loosen the shift cover and the handle from the cover. Refer to
 ⇒ Rep. Gr. 37.

Vehicles with Manual Transmission

 Remove the boot and the gearshift knob from the cover. Refer to ⇒ Rep. Gr. 34; Shift Mechanism, Servicing; Overview -Selector Mechanism.

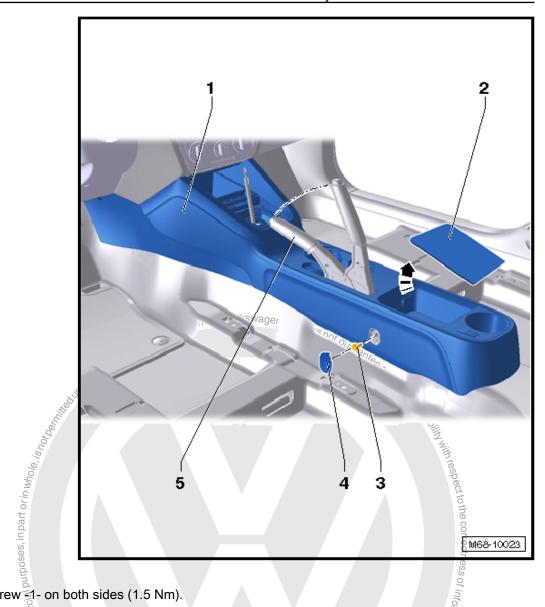
Vehicles with DSG® Transmission

- Move the selector lever into "N".
- Remove the shift cover and handle from the cover. Refer to ⇒ Rep. Gr. 34; Shift Mechanism, Servicing; Overview - Selector Mechanism.

All Vehicles

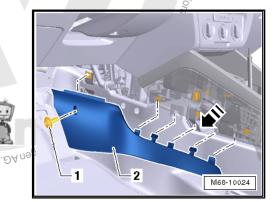
- Remove the trim from the parking brake lever. Refer to ⇒ Brake Systems; Rep. Gr. 46; Parking Brake; Parking Brake Lever Trim Panel, Removing and Installing.
- Remove the liner -2- from the center console -1- in direction of -arrow-.
- Remove the caps -4- on both sides and remove screw -3- (1.5 Nm).
- Pull the parking brake lever -5- into its highest position.



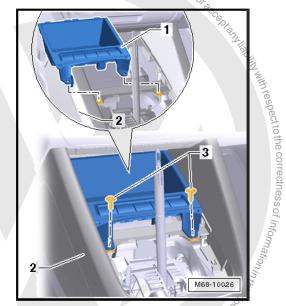


- Remove the trim -2- on both a direction of -arrow-.

 Remove the two bolts -3- (1.5 Nm). Remove the trim -2-on both sides of the center console in direction of -arrow-.

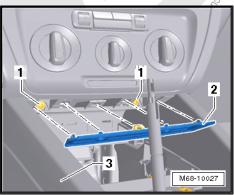


Remove the storage compartment -1- from the center console
 -2- and disconnect the wiring harnesses (depending on the vehicle equipment level).

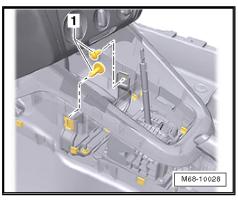


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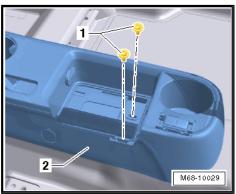
Remove the trim -2- from the center console 23- with the -3409- .



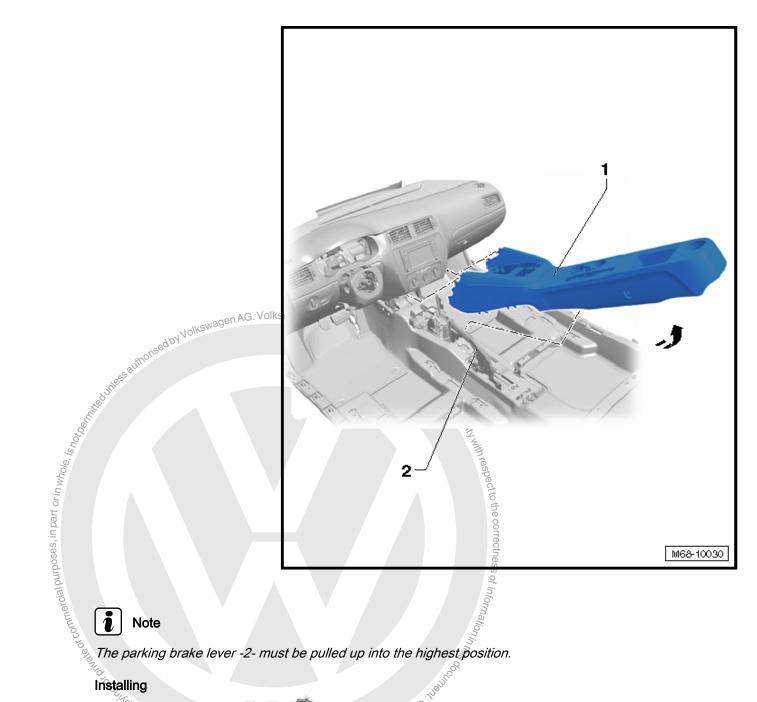
Remove the two screws -1- (1.5 Nm).



 Remove the two screws -1- (1.5 Nm) from the back section of the center console -2-.



Remove the center console -1- from the vehicle in direction of -arrow-. Disconnect the wiring harness from the 12 V Socket - U5- .





The parking brake lever -2- must be pulled up into the highest position.

Installing

Install in reverse order of removal. Protected by copyright



Note

. DA nagswaylo Vydyngniyqo, jagn Check all the fasteners for damage and replace if necessary.

Center Console, Removing and Instal-3.2 ling, »Comfort and Highline«

Removing

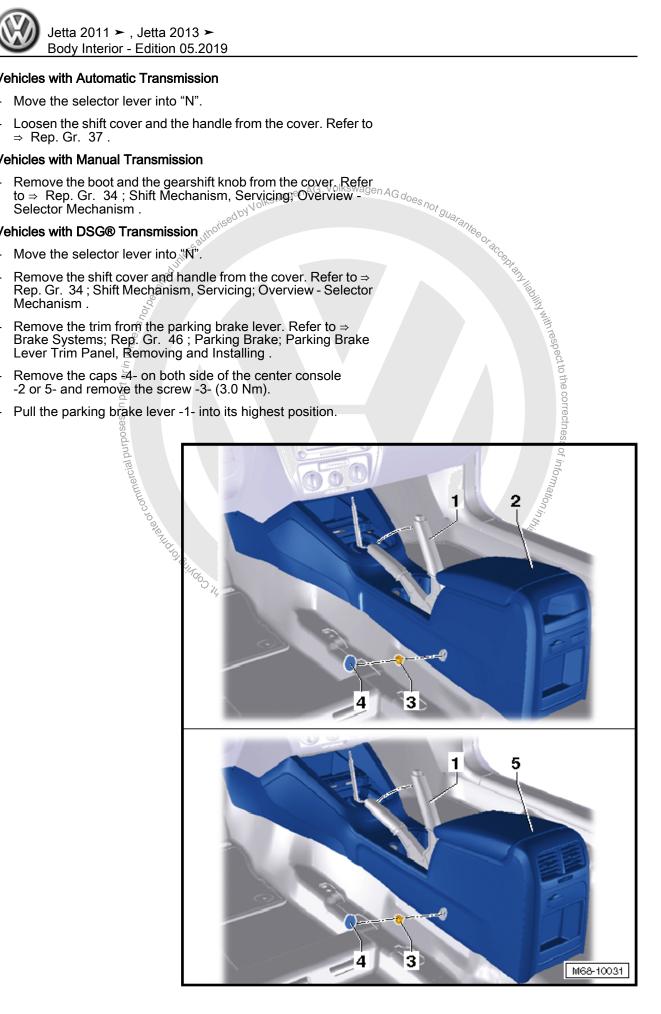
Switch off the ignition.



Vehicles with Automatic Transmission

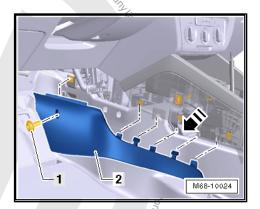
Vehicles with Manual Transmission

Vehicles with DSG® Transmission &



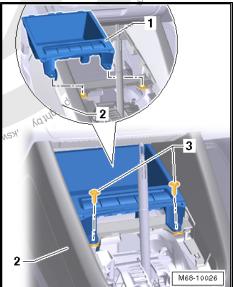


- Remove the screw -1- on both sides (1.5 Nm).
- Remove the trim -2- on both sides of the center console in direction of -arrow-.
- Remove the two bolts -3- (1.5 Nm).

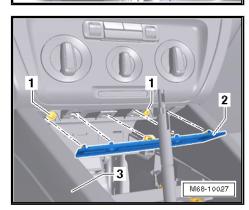


Remove the storage compartment -1- from the center console -2- and disconnect the wiring harnesses (depending on the vehicle equipment level). Protected by CODY 19th; CODY 19th of 19th

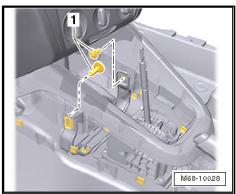




Remove the trim -2- from the center console -3- with the -3409- .



- Remove the two screws -1- (1.5 Nm).



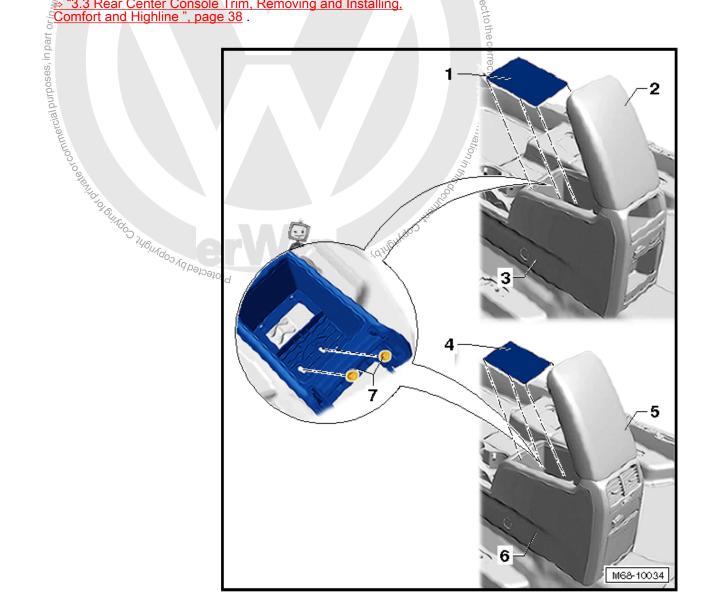


»Comfort« Center Console

- Open the storage compartment cover -2- and remove the trim -1- from the center console -3-.
- Remove the two screws -7- (3.0 Nm).
- Remove the trim from the back of the »Comfort« center console. Refer to
 - ⇒ "3.3 Rear Center Console Trim, Removing and Installing, Comfort and Highline ", page 38 .

»Highline« Center Console

- Open the storage compartment cover -5- and remove the trim -4- from the center console -6-.
- Remove the two screws -7- (3.0 Nm).
- Remove the trim from the back of the »Highline« center console. Refer to
 - "3.3 Rear Center Console Trim, Removing and Installing, Comfort and Highline ", page 38

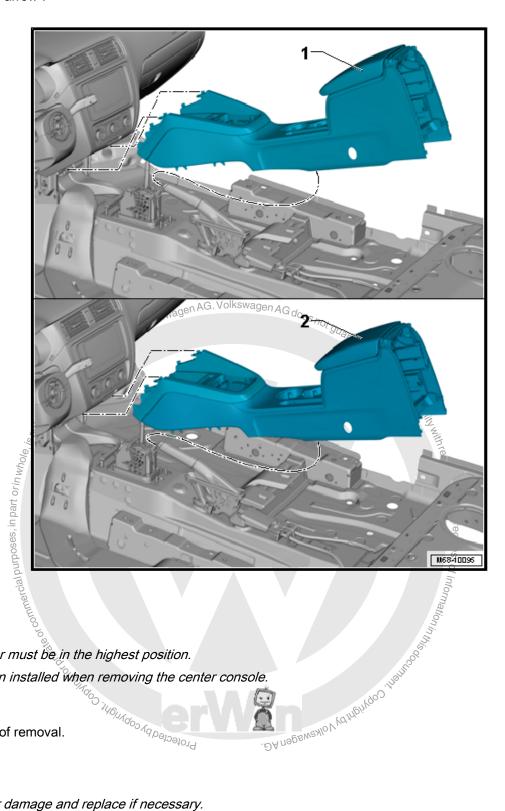


»Comfort« Center Console

Remove the center console -1- from the vehicle in direction of -arrow-.

»Highline« Center Console

Remove the center console -2- with the air duct from the vehicle in the direction of -arrow-.





Note

- The parking brake lever must be in the highest position.
- The armrest can remain installed when removing the center console. Protected by copyright; Copy

Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

3.3 Rear Center Console Trim, Removing and Installing, »Comfort and Highline«

Removing

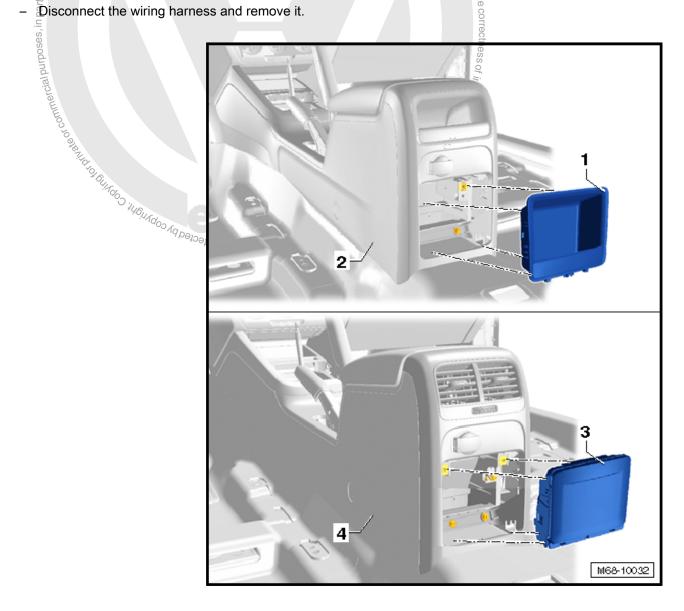
Switch off the ignition.

»Comfort«Center Console

Remove the trim -1- from the center console -2- with the -3409- .

»Highline« Center Console

- Unclip the Converter with Socket, 12 V-230 V U13- -3- from the center console -4- using the 3409- .
- Disconnect the wiring harness and remove it.



»Comfort« Center Console

- Remove the two screws -2- from the trim -1- (1.5 Nm).
- Remove the trim -1- from the center console -3- and disconnect the wiring harness for the 12 V Socket - U5- .

»Highline« Center Console

- Remove the two screws -5- from the trim -4- (1.5 Nm).
- Remove the trim -4 from the center console -6- and disconnect the wiring harness for the 12 V Socket - U5- .



Installing

Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

3.4 Rear Center Console Trim Bracket, Removing and Installing, »Comfort and **Highline«**

Removing

Remove the trim from the back of the »Comfort and Highline« center console. Refer to

- ⇒ "3.3 Rear Center Console Trim, Removing and Installing, Comfort and Highline ", page 38.
- Remove the two screws -2- from the bracket -1- (1.5 Nm).
- Remove the bracket -1- from the center console.

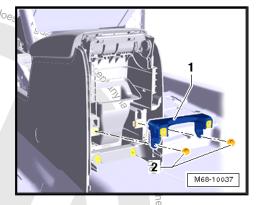
Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.



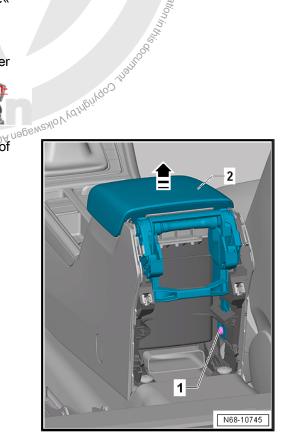
3.5 Rear Center Console Storage Compartment Cover, Removing and Installing, »Comfort and Highline«

Removing

- Remove the trim from the back of the »Comfort and Highline« center console. Refer to
 ⇒ "3.3 Rear Center Console Trim, Removing and Installing, Comfort and Highline", page 38.
- Remove the bracket for the rear "Comfort and Highline" center console trim. Refer to
 ⇒ "3.4 Rear Center Console Trim Bracket, Removing and Installing, Comfort and Highline", page 39
- Remove the bolt -1- on the left and right side (3 Nm).
- Remove the storage compartment cover -2- in the direction of the -arrow- out of the guides In the center console.

Installing

Install in reverse order of removal.



3.6 Center Console Securing Bracket, Removing and Installing

- ⇒ "3.6.1 Overview Securing Bracket", page 41
- ⇒ "3.6.2 Front Securing Bracket, Removing and Installing", page
- ⇒ "3.6.3 Center Console Securing Bracket, Removing and Installing", page 42
- ⇒ "3.6.4 Support, Removing and Installing", page 43
- ⇒ "3.6.5 Rear Fastener, Removing and Installing", page 43

3.6.1 Overview - Securing Bracket

1 - Front Securing Bracket

- Front Center Console Securing Bracket
- □ Left and right
- □ Removing and installing. Refer to "3.6.2 Front Securing Bracket, Removing and Installing", page 4 15 1

2 - Center Securing Bracket

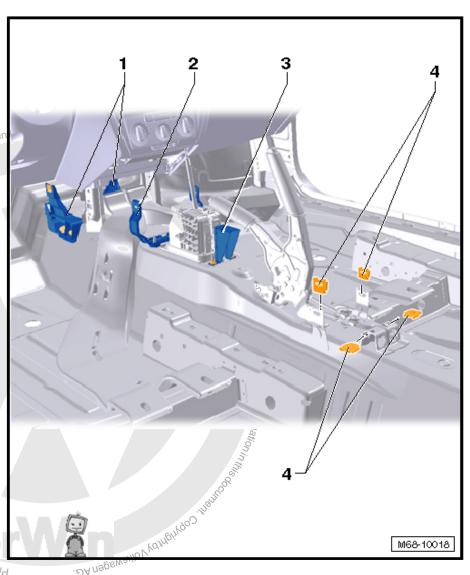
- Securing bracket in front of the shift mechanism
- Removing and instalfing. Refer to ⇒ "3.6.3 Center Console Securing Bracket, Removing and Installing", page 42

3 - Support

- Center console support behind the shift mechanism
- Removing and installing. Refer to ⇒ "3.6.4 Support, Removing and Installing", page 43.

4 - Rear Fastener

- ☐ Rear center console fastener
- □ Removing and installing. Refer to
 ⇒ "3.6.5 Rear Fastener,
 Removing and Installing", page 43 Polypajogy 1



3.6.2 Front Securing Bracket, Removing and Installing

Removing

- Switch off the ignition.
- Remove the center console:

- Refer to "3.1 Center Console, Removing and Installing, Basic", page
- Refer to ⇒ "3.2 Center Console, Removing and Installing, Comfort and Highline", page 33
- Remove the two nuts -2- (2.0 Nm) and the securing bracket



Note

Removing the right securing bracket it identical.

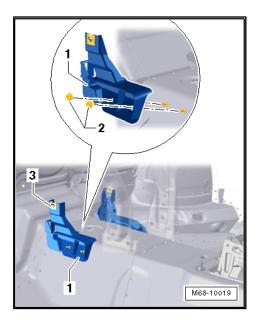
Installing

Install in reverse order of removal.



Note

Check the spring nut -3- for damage and replace it if necessary before installing it.



3.6.3 Center Console Securing Bracket, Removing and Installing

Removing

- Switch off the ignition.
- Remove the center console
- Securing Braunce, talling
 talling

 Securing Braunce, talling

 talling

 Securing Braunce, talling

 Tall Refer to ⇒ "3.1 Center Console, Removing and Installing, Basic", page
- Refer to "3.2 Center Console, Removing and Installing, Comfort and Highline ", page 33
- Remove the two nuts -2- (8.0 Nm) and the securing bracket -1-.

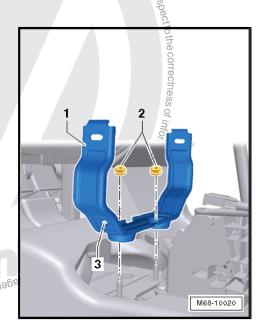
Installing

- Install in reverse order of removal.



Note

The opening -3- for the securing bracket must be on the left side Profession of Grandon Advantagood of the vehicle.



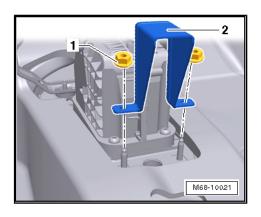
3.6.4 Support, Removing and Installing

Removing

- Switch off the ignition.
- Remove the center console:
- Refer to ⇒ "3.1 Center Console, Removing and Installing, Basic", page
- Refer to "3.2 Center Console, Removing and Installing, Comfort and Highline ", page 33
- Remove the 2 nuts -1- (8.0 Nm) and the bracket -1-.

Installing

Install in reverse order of removal.



3.6.5 Rear Fastener, Removing and Installing

Removing

- Switch off the ignition.
- Remove the center console:

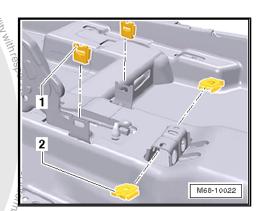
 ______AG. Volkswagen AG does not ⇒ "3.1 Center Console, Removing and Installing, Basic", page
- Refer to 3.2 Center Console, Removing and Installing, Comfort and Highline ", page 33
 - Remove the spring nuts -1 and 2- from the body.

Install in reverse order of removal.



Check the essary be. Check the spring nuts -1 and 2- for damage and replace if nec-

. DA negswe^{MO} Vamgingo, inanog sign



4 Interior Rearview Mirror

- ⇒ "4.1 Overview Interior Rearview Mirror", page 44
- ⇒ "4.2 Interior Rearview Mirror, Removing and Installing", page 47
- ⇒ "4.3 Interior Rearview Mirror Baseplate, Servicing", page 52
- ⇒ "4.4 Automatic Dimming Interior Rearview Mirror Function Description", page 56

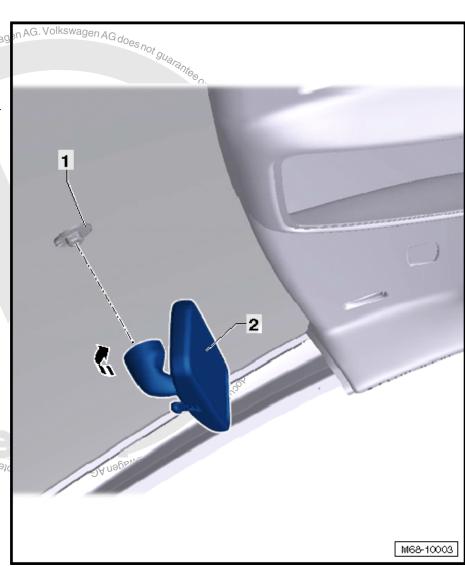
4.1 Overview - Interior Rearview Mirror

- ⇒ "4.1.1 Overview Interior Rearview Mirror, Basic ", page 44
- ⇒ "4.1.2 Overview Interior Rearview Mirror with Rain Sensor ", page 45
- ⇒ "4.1.3 Overview Interior Rearview Mirror with Rain Sensor and Camera ", page 46

4.1.1 Overview - Interior Rearview Mirror, »Basic«

1 - Baseplate

- ☐ Baseplate for mirror NSWA base
- Bonded to the windshield
- ☐ Interior Rearview Mirror Baseplate, Servicing. Refer to "4.3.1 Interior Rearview Mirror Baseplate, Servicing, Basic ",
- page 52 2 - Interior Rearview Mirror
- Removing and instal-And page or commercial purposes, in particular page of commercial purposes, in page of comm ling. Refer to



4.1.2 Overview - Interior Rearview Mirror »with Rain Sensor«

1 - Baseplate

- Baseplate for mirror base
- Bonded to the windshield
- □ Interior Rearview Mirror Baseplate, Servicing: Refer to ⇒ "4.3.2 Interior Rearview Mirror with Rain Sensor Baseplate, Servicing", page 54.

2 - Rain/Light Recognition Sensor - G397-

- Sensor, removing and installing. Refer to ⇒
 Electrical Equipment;
 Rep. Gr. 92.
- ☐ Sensor, coding. Refer to ⇒ Electrical Equipment; Rep. Gr. 92.

3 - Upper Cable Guide

- Attached to the retaining plate -item 1 ⇒ Item 1 (page 45)
- ☐ Installed in the trim
- -item 4-⇒ Item 4 (page 45)
- □ Removing and installing. Refer to 3 ± 4.2.2 Interior Rearview Mirror with Rain Sensor, Removing and Installing", page 48.

4 - Trim

- Roof trim panel trim
- Removing and installing. Refer to
 ⇒ "4.2.2 Interior Rearview Mirror with Rain Sensor, Removing and Installing", page 48

5 - Lower Cable Guide

- Attached to the retaining plate -item 1- ⇒ Item 1 (page 45)
- Installed in the trim -item 4- ⇒ Item 4 (page 45)
- □ Removing and installing. Refer to ⇒ "4.2.2 Interior Rearview Mirror with Rain Sensor, Removing and Installing", page 48.

6 - Interior Rearview Mirror

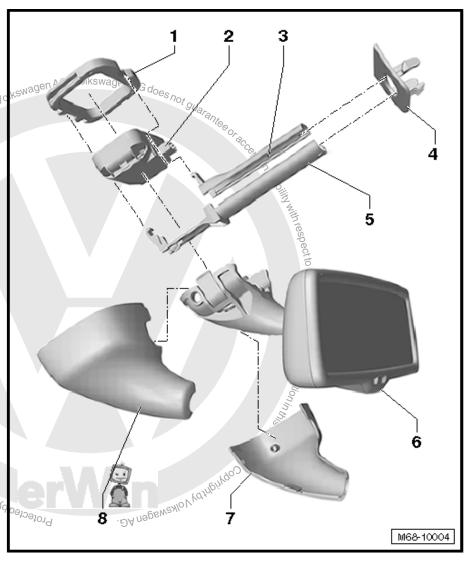
- Automatic Dimming Function. Refer to
 ⇒ "4.4 Automatic Dimming Interior Rearview Mirror Function Description", page 56
- Removing and installing. Refer to
 ⇒ "4.2.2 Interior Rearview Mirror with Rain Sensor, Removing and Installing", page 48.

7 - Right Mirror Base Trim

Removing and installing. Refer to
 ⇒ "4.2.2 Interior Rearview Mirror with Rain Sensor, Removing and Installing", page 48.

8 - Left Mirror Base Trim

Removing and installing. Refer to
 ⇒ "4.2.2 Interior Rearview Mirror with Rain Sensor, Removing and Installing", page 48.



Overview - Interior Rearview Mirror »with Rain Sensor and Camera« 4.1.3

1 - Baseplate

- Baseplate for mirror
- Bonded to the windshield
- ☐ Interior Rearview Mirror Baseplate, Servicing, Refer to
 - ⇒ "4.3.2 Interior Rearview Mirror with Rain Sensor Baseplate, Servicing", page 54

2 - Rain/Light Recognition Sensor - G397-

- Sensor, removing and installing. Refer to ⇒ Electrical Equipment; Rep. Gr. 92.
- ☐ Sensor, coding. Refer to ⇒ Electrical Equipment; Rep. Gr. 92.

3 - Upper Cable Guide

- Attached to the retaining plate -item 1-⇒ Item 1 (page 46)
- Installed in the trim -item 4-
 - ⇒ Item 4 (page 46)
- Removing and installing. Refer to ⇒ <u>"4.2.3 Interior Rear-</u> view Mirror with Rain Sensor and Front Camera, Removing and Installing", page 50

** with Rain Sensor and Camera* 1 2 3 4 Department of the configuration of the configuratio Vasrleinyqe 6 8 M68-10007

4 - Trim

- □ Roof trim panel trim
- □ Removing and installing. Refer to ⇒ "4.2.3 Interior Rearview Mirror with Rain Sensor and Front Camera, Removing and Installing", page 50 .

5 - Lower Cable Guide

- Attached to the retaining plate -item 1- ⇒ Item 1 (page 46)
- Installed in the trim -item 4- ⇒ Item 4 (page 46)
- Removing and installing. Refer to \Rightarrow "4.2.3 Interior Rearview Mirror with Rain Sensor and Front Camera, Removing and Installing", page 50.

6 - Interior Rearview Mirror

- □ Automatic Dimming Function. Refer to ⇒ "4.4 Automatic Dimming Interior Rearview Mirror Function Description", page 56.
- With Driver Assistance Systems Front Camera R242-
- □ Removing and installing. Refer to ⇒ "4.2.3 Interior Rearview Mirror with Rain Sensor and Front Camera, Removing and Installing", page 50.

7 - Right Mirror Base Trim

☐ Removing and installing. Refer to ⇒ "4.2.3 Interior Rearview Mirror with Rain Sensor and Front Camera, Removing and Installing",

8 - Left Mirror Base Trim

☐ Removing and installing. Refer to ⇒ "4.2.3 Interior Rearview Mirror with Rain Sensor and Front Camera, Removing and Installing",

4.2 Interior Rearview Mirror, Removing and Installing

⇒ "4.2.1 Interior Rearview Mirror, Removing and Installing, Basic <u>", page 47</u>

⇒ "4.2.2 Interior Rearview Mirror with Rain Sensor, Removing and Installing", page 48

⇒ "4.2.3 Interior Rearview Mirror with Rain Sensor and Front Camera, Removing and Installing", page 50

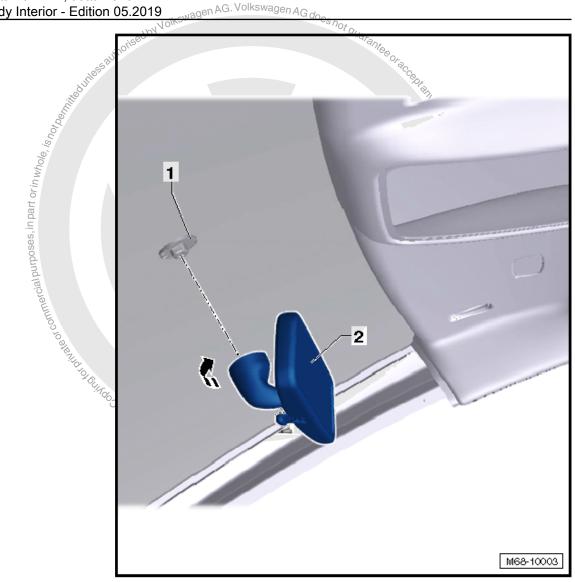
Interior Rearview Mirror, Removing and 4.2.1 Installing, »Basic«

Removing

- Turn the interior rearview mirror -2- counter-clockwise 90° -arrow-.
- Remove the interior rearview mirror -2- from the bonded baseplate -1-.







Installing

- Install in reverse order of removal.

4.2.2 Interior Rearview Mirror »with Rain Sensor«, Removing and Installing

Removing

Special tools and workshop equipment required

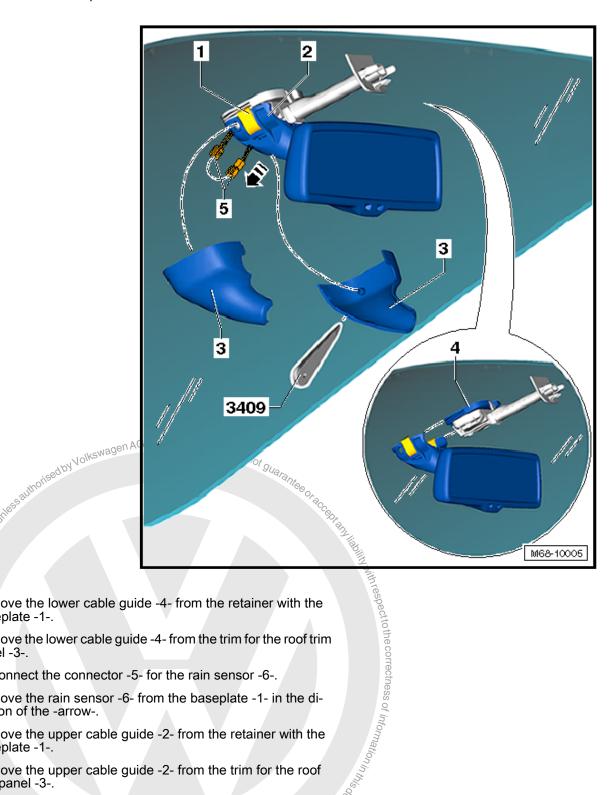
◆ Trim Removal Wedge - 3409-



WARNING

- Follow the safety precautions for the automatic dimming interior rearview mirror. Refer to ⇒ "1.20 Automatic Dimming Interior Rearview Mirror Safety Precautions", page 15.
- Switch off the ignition.
- Loosen the retainers for the caps -3- using the -3409- .
- Remove the caps -3- from the mirror base -2-.

- Disconnect the connector for the automatic dimming function
- Loosen the clips -1- on both sides with a screwdriver.
- Push the mirror base with the interior rearview mirror -2- downward off of the baseplate -4-.



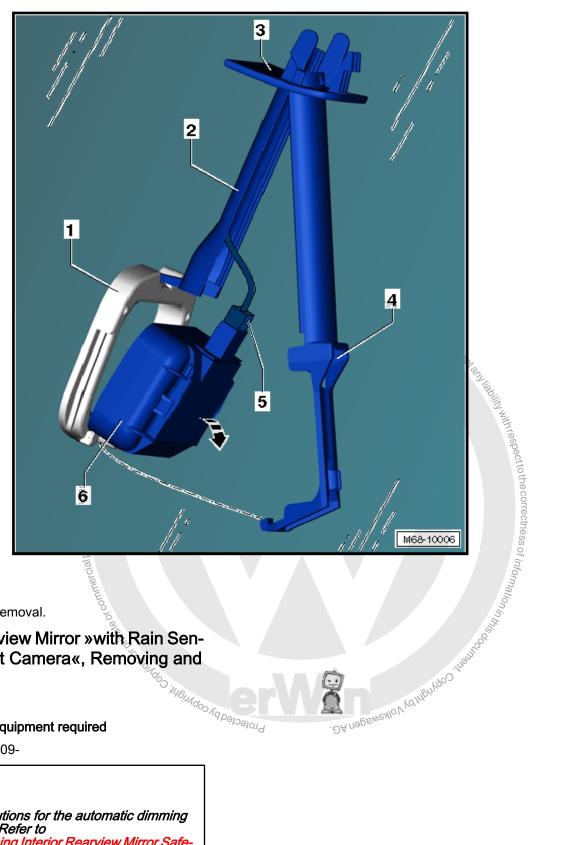
Remove the lower cable guide -4- from the retainer with the baseplate -1-.

- əs, in part or in whole, is notos المالية عند المالية المالية المالية المالية المالية المالية المالية المالية ا Remove the lower cable guide -4- from the trim for the roof trim panel -3-.
 - Disconnect the connector -5- for the rain sensor -6-.

Protected by co

- l commercial purposes, in Remove the rain sensor -6- from the baseplate -1- in the direction of the -arrow-.
 - Remove the upper cable guide -2- from the retainer with the baseplate -1-.
 - Remove the upper cable guide -2- from the trim for the roof trim panel -3-.
 - Remove the trim for the roof trim panel -3- downward from the roof trim panel. Guide the connector and the wint -5- through the trim while doing this.

Volkswagen AG.



Installing

- Install in reverse order of removal.
- Interior Rearview Mirror »with Rain Sen-4.2.3 sor and Front Camera«, Removing and Protected by copyright, Co. Installing

Removing

Special tools and workshop equipment required

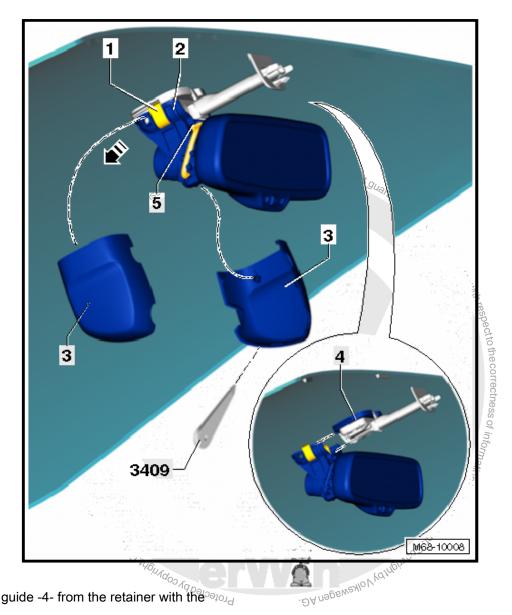
◆ Trim Removal Wedge - 3409-



WARNING

- Follow the safety precautions for the automatic dimming interior rearview mirror. Refer to "1.20 Automatic Dimming Interior Rearview Mirror Safety Precautions", page 15
- Switch off the ignition.
- Loosen the retainers for the caps -3- using the -3409- .

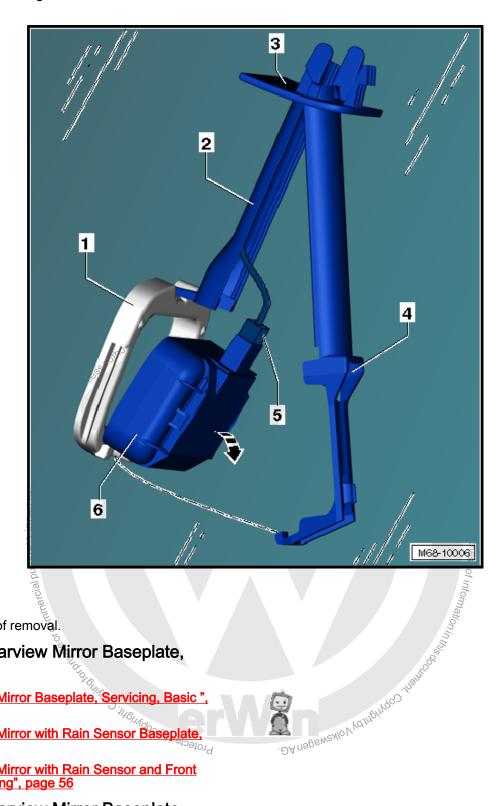
- Remove the caps -3- from the mirror base -2-.
- Disconnect the connector for the automatic dimming function -5-.
- Loosen the clips -1- on both sides with a screwdriver.
- Push the mirror base with the interior rearview mirror -2- downward off of the baseplate -4-.



- Remove the lower cable guide -4- from the retainer with the baseplate -1-.
- Remove the lower cable guide -4- from the trim for the roof trim panel -3-.
- Disconnect the connector -5- for the rain sensor -6-.
- Remove the rain sensor -6- from the baseplate -1- in the direction of the -arrow-.
- Remove the upper cable guide -2- from the retainer with the baseplate -1-.
- Remove the upper cable guide -2- from the trim for the roof trim panel -3-.



Remove the trim for the roof trim panel -3- downward from the roof trim panel. Guide the connector and the wiring harness -5- through the trim while doing this.



Installing

- Install in reverse order of removal.
- 4.3 Interior Rearview Mirror Baseplate, Servicing
- ⇒ "4.3.1 Interior Rearview Mirror Baseplate, Servicing, Basic ", <u>page 52</u>
- ⇒ "4.3.2 Interior Rearview Mirror with Rain Sensor Baseplate, Servicing", page 54
- ⇒ "4.3.3 Interior Rearview Mirror with Rain Sensor and Front Camera Baseplate, Servicing", page 56
- 4.3.1 Interior Rearview Mirror Baseplate, Servicing, »Basic«

Special tools and workshop equipment required

Window scraper (commercially available)

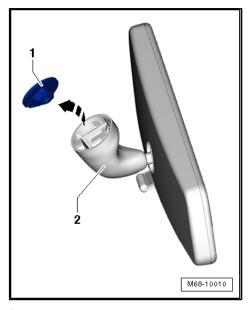
◆ Blade (commercially available)

Materials

- Glass/Metal Adhesive Set D 000 703 A1-
- ♦ Adhesive Remover D 002 000 10-

Assembly

- Remove the baseplate -1- from the mirror base -2- in the direction of the -arrow-.
- Remove the PUR adhesive sealant from the baseplate -1- with a wire brush.



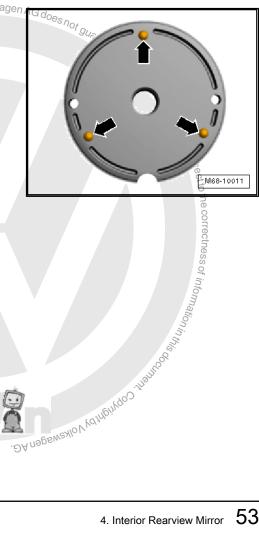
- Sand off the three spacer knobs -arrows- on the adhesive surface. Use 360 - 400 grit sand paper on the flat surface.
- Keep the sanded surface free of dirt and grease.
- Remove the PUR adhesive sealant as well as the old glass/ paint primer up to the ceramic layer from the windshield with a scraper.



Caution

Do not damage the ceramic layer. Scratches always remain visible.

Clean the adhesive surface with Adhesive Remover - D 002 000 10- or Cleaning Solution - D 009 401 04- . Protected by copyright, Copyright



 Cut the nylon mesh -3- taken from the Glass/Metal Adhesive Set - D 000 703 A1- to the exact size of the baseplate -2-.



Note

Protective gloves (rubber gloves) should be worn.

- Apply adhesive -1- from the Glass/Metal Adhesive Set D 000 703 A1- evenly over the baseplate -2-.
- Place the nylon mesh -3- on the baseplate -2-
- With the adhesive tube -1- dab more adhesive onto the nylon mesh -3-.



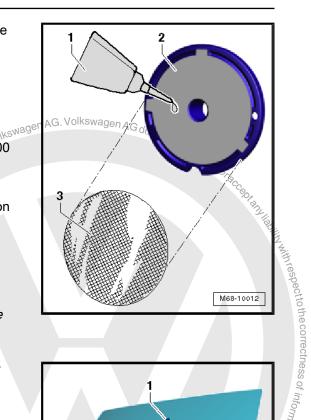
Note

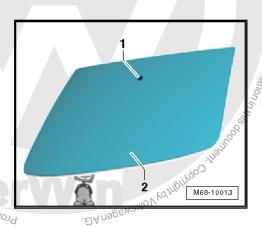
- ♦ Pay attention to the adhesive working time.
- ♦ 30 seconds are available from laying the nylon mesh on the adhesive to pressing on the windshield.
- Press the baseplate -1- onto the windshield -2- and hold for 15 seconds (without using force).



Note

The interior rearview mirror can be installed after 15 minutes.





4.3.2 Interior Rearview Mirror »with Rain Sensor« Baseplate, Servicing

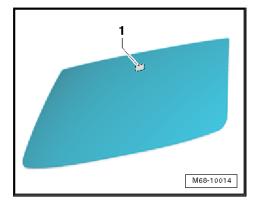


Note

- ♦ Removal of windshield is no longer necessary, as with previous repair procedure.
- ♦ At the same time, it is possible to use the old, detached mirror base.

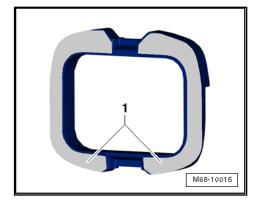
Windshield, Preparing

- All adhesive and primer reside must be removed up to ceramic coating -1-.
- Clean the adhesive surface using Cleaning Solution D 009 401 04- .
- Maintain a "drying time" of at least 10 minutes.
- Apply the Glass/Paint Primer D 009 200 02- on the ceramic coating -1-.
- Let it dry for 10 minutes to maximum one hour.



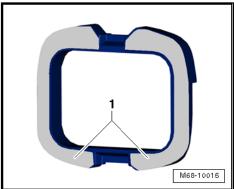
Preparing the Removed Retaining Plate

- Remove the remaining adhesive:
- Prepare the adhesive surface -1- by "wet-sanding" with fine emery paper (800-1200 grit) until water remains (does not bead and run off) on adhesive surface.
- ♦ Then clean using Cleaning Solution D 009 401 04-.
- ◆ Maintain a "drying time" of at least 10 minutes.

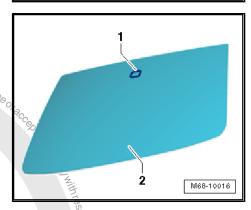


Baseplate, Bonding

- Apply the Two-Part Polyurethane Adhesive D 180 KD2 A1directly onto the sanded and cleaned adhesive surface -1- on the baseplate.
- Adhesive diameter: approximately 2.5 to 3.0 mm.

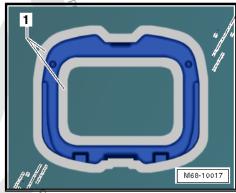


- Press the baseplate -1- onto the windshield -2- immediately after applying the adhesive.
- Align the baseplate -1- on its designated position on ceramic coating and secure using adhesive tape.



Excess Adhesive, Cleaning and Removing

- Carefully remove the adhesive tape 0.5 to 1 hours after attaching the mirror base.
- Carefully remove the excess soft adhesive -1- all around using spatula.
- Then remove any remaining excess adhesive using a primer applicator or cloth, saturated with Cleaning Solution - D 009 401 04-.





Note

The interior rearview mirror can be installed 2.5 hours after gluing on the retaining plate.



4.3.3 Interior Rearview Mirror »with Rain Sensor and Front Camera« Baseplate, Servicing



Note

- Removal of windshield is no longer necessary, as with previous repair procedure.
- At the same time, it is possible to use the old, detached mirror hase
- The repair is described in ⇒ "4.3.2 Interior Rearview Mirror with Rain Sensor Baseplate, Servicing", page 54.

4.4 Automatic Dimming Interior Rearview Mirror Function Description

The automatically dimming interior rearview mirror dims progressively when the driver is blinded from the rear

It consists of a mirror element and an electrical element with two photo sensors.

The electronic element registers light incidence from the front and rear through the photo sensors.

If the incident light from the rear is greater than that from the front, a current flows through the electronic element to a conductive coating.

The applied current changes the color of the electrolytes. The electrolyte becomes darker, the greater the current is. The incident light will be reflected to a lesser degree.

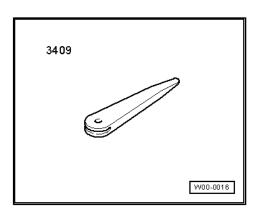
The dimming function switches off when reverse gear is engaged. The interior rearview mirror can be used, for example, to back out of a dark garage.



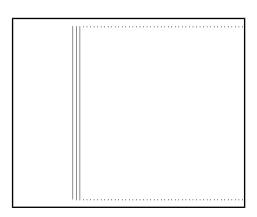
Special Tools 5

Special tools and workshop equipment required

◆ Trim Removal Wedge - 3409-



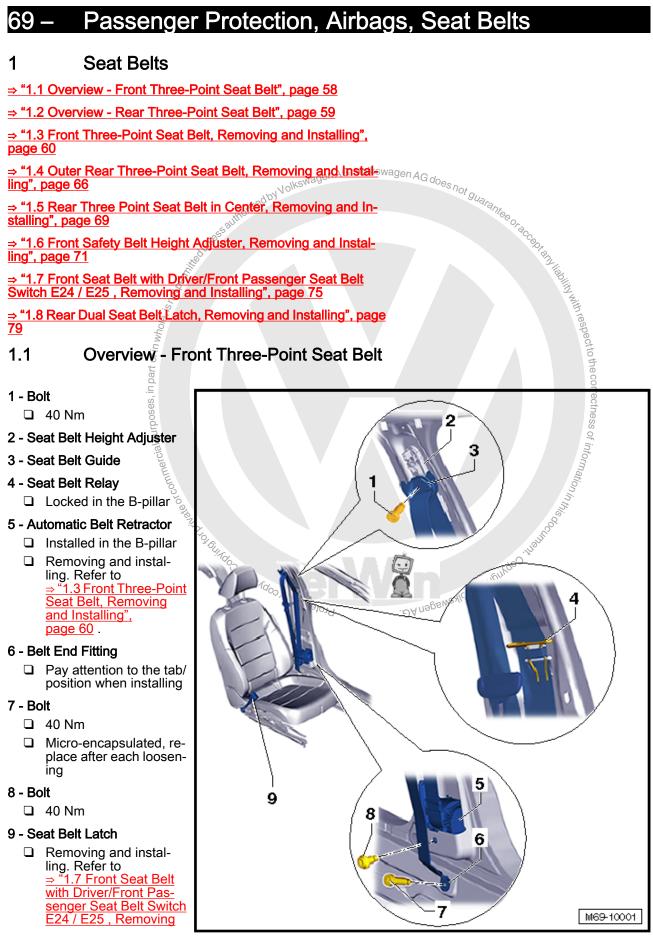
- ◆ Vehicle Diagnostic Tester
- ♦ Window Scraper (commercially available) -1-
- ♦ Blade (commercially available) -2-





Passenger Protection, Airbags, Seat Belts 69 –

- 1 Bolt
 - □ 40 Nm
- 2 Seat Belt Height Adjuster
- 3 Seat Belt Guide
- 4 Seat Belt Relay
 - Locked in the B-pillar
- 5 Automatic Belt Retractor
 - ☐ Installed in the B-pillar
 - Removing and installing. Refer to "1.3 Front Three-Point Seat Belt, Removing and Installing", page 60.
- 6 Belt End Fitting
 - Pay attention to the tab/ position when installing
- 7 Bolt
 - □ 40 Nm
 - Micro-encapsulated, replace after each loosen-
- 8 Bolt
 - □ 40 Nm
- 9 Seat Belt Latch
 - Removing and installing. Refer to ⇒ "1.7 Front Seat Belt with Driver/Front Passenger Seat Belt Switch E24 / E25 , Removing



and Installing", page 75.

1.2 Overview - Rear Three-Point Seat Belt

1 - Left Outer Seat Belt

- ☐ Three-point seat belt with automatic belt retractor and belt tension-
- Locks in the dual seat belt latch -item 2-⇒ Item 2 (page 59)
- □ Removing and installing. Refer to ⇒ "1.4 Outer Rear Three-Point Seat Belt, Removing and Installing", page 66

2 - Dual Seat Belt Latch

- Locking mechanism for the left outer and the center seat belts
- □ Removing and installing. Refer to ⇒ "1.8 Rear Dual Seat Belt Latch, Removing and Installing", page 79.

3 - Single Seat Belt Latch

- □ Locking mechanism for the right outer seat belt
- Part of the center seat
- Removing and installing. Refer to 1.5 Rear Three Point Seat Belt in Center, Removing and Installing", page 69.

, in part or in whole, 3 M69-10011

4 - Center Seat Belt

- ☐ Three-point seat belt with an automatic belt retractor without a belt tensioner.
- DA negewealov Warrentoo jirentoo eing ☐ Removing and installing. Refer to ⇒ "1.5 Rear Three Point Seat Belt in Center, Removing and Installing", page 69.

5 - Right Outer Seat Belt

- ☐ Three-point seat belt with automatic belt retractor and belt tensioner.
- □ Locks in the single seat belt latch. Refer to -item 3 pale lem 3 (page 59)
- ☐ Removing and installing. Refer to ⇒ "1.4 Outer Rear Three-Point Seat Belt, Removing and Installing", page 66

1.3 Front Three-Point Seat Belt, Removing and Installing



Note

The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.



Caution

This procedure contains mandatory replaceable parts. Refer to component overview prior to starting procedure.

Mandatory Replacement Parts

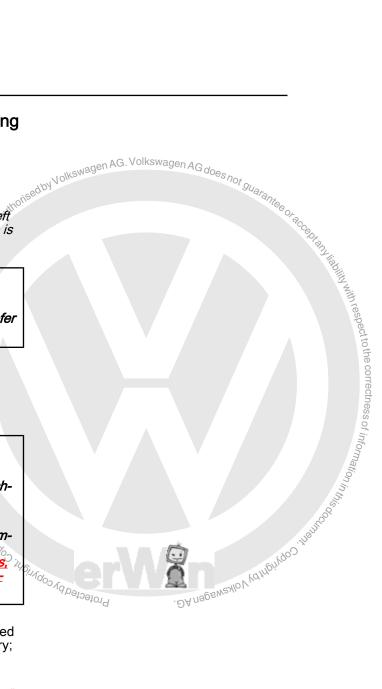
Micro-encapsulated Bolts

Removing

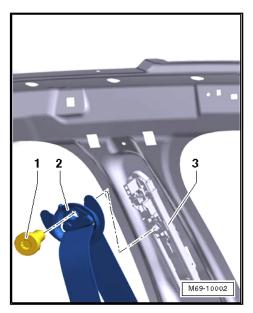


WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to
 ⇒ "1 Safety Precautions", page 1.
- ◆ Follow all regulations when disposing of pyrotechnic components. Refer to ⇒ "1.3 Airbag, Belt Tensioner and Battery Cut-Out Units," Storing, Transporting and Disposing (Pyrotechnic Components)", page 5.
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Remove the B-pillar upper trim panel. Refer to ⇒ "4.5 B-Pillar Upper Trim Panel, Detaching and Fastening", page 204.
- Remove the B-pillar lower trim panel. Refer to
 ⇒ "4.7 B-Pillar Lower Trim Panel, Removing and Installing",
 page 208



- Remove the bolt -1- (40 Nm) and loosen the seat belt ring -2- from the seat belt height adjuster -3-.
- Remove the seat belt relay -1- from the B-pillar -2- in direction of -arrow-.

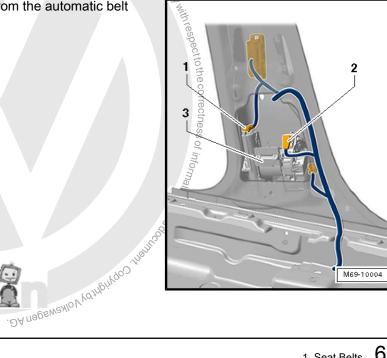


- Remove the seat belt -3- from the seat belt relay -1-. USA only:



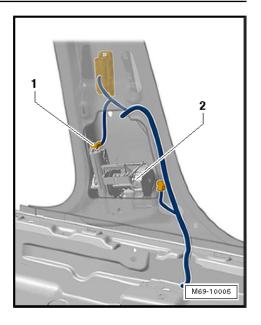
Disconnect the connectors -1 and 2- from the automatic belt retractors -3-.

Profected by Copyrights of the Mark of the All Vehicles:





Disconnect the connector -1- from the automatic belt retractor



Remove the bolt -2- (40 Nm) and the belt end fitting -5- from the body.



Caution

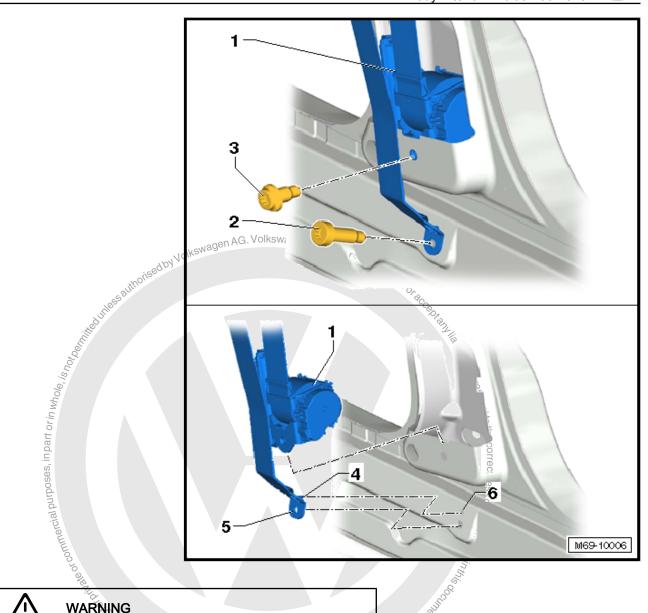
The bolt -2- may be micro-encapsulated and must be heated using a hot air gun before loosening. While doing this, protect the neighboring seat belt against excessive heat with a moist



Note

- If the bolt is micro-encapsulated, it must be replaced every time it is loosened.
- Before installing the new bolt, threads on nut must be cleaned, re-cut it necessary.
- Respect to the correctness of information in the correctness of informatio Professed by the part of the p Remove the screw -3- (40 Nm) and then remove the automatic belt retractor -1- from the B-pillar.







WARNING

Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". For example, this can be done by briefly touching the door striker.

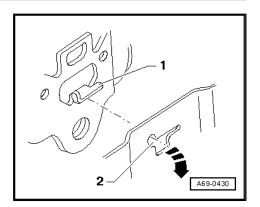
Installing



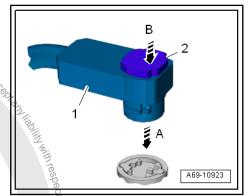
WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, connecting a connector), the person handling it must "discharge static electricity". For example, this can be done by briefly touching the door striker.

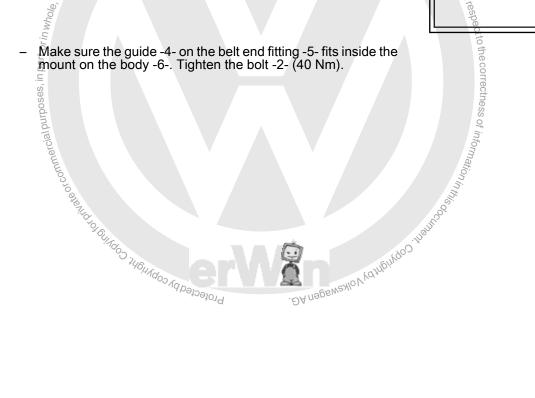
Insert the automatic belt retractor with the anti-twist mechanism -1- into the mount -2- -arrow- and tighten the bolt (40 Nm).

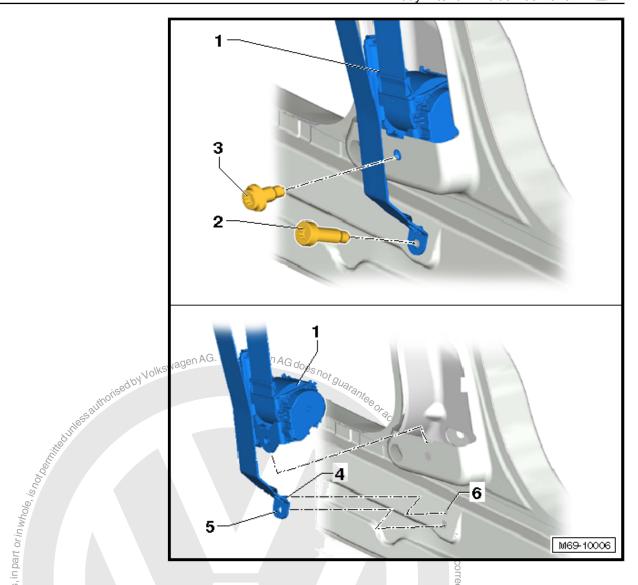


- Attach the connector -1- to the igniter -arrow A-.
- Push in the connector lock 22 arrow B. While doing so, the connector is pushed all the way into the igniter and locks into place at the same time.



Make sure the guide -4- on the belt end fitting -5- fits inside the mount on the body -6-. Tighten the bolt -2- (40 Nm).





Perform the rest of the installation in the reverse order of removal.



Note

- Make sure the connectors are installed all the way and engage audibly.
- If parts of the seat belt system are removed due to an accident, replace the belt system bolts.



WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

Connect the battery ground cable with the ignition switched on. Refer to \Rightarrow Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting .

1.4 Outer Rear Three-Point Seat Belt, Removing and Installing



Note

The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.

Removing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1.
- Follow all regulations when disposing of pyrotechnic components. Refer to ⇒ "1.3 Airbag, Belt Tensioner and Battery Cut-Out Units, Storing, Transporting and Disposing (Pyrotechnic Components)", page 5.
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Remove the bench seat. Refer to
 ⇒ "2.1 Rear Bench Seat, Removing and Installing",
 page 275

Vehicles with Rear Thorax Airbag

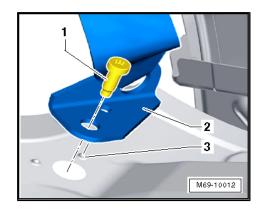
Remove the side cushion. Refer to
 ⇒ "2.4 Side Padding with Thorax Airbag, Removing and Installing", page 280.

Vehicles without Rear Thorax Airbag

Remove the rear wheel housing trim panel. Refer to
 ⇒ "4.11 Wheel Housing Trim, Removing and Installing, Vehicles without Thorax Airbag", page 214.

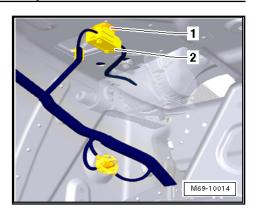
All Vehicles

- Remove the rear shelf. Refer to
 ⇒ "4.12 Rear Shelf, Removing and Installing", page 216
- Remove the bolt -1- (40 Nm).
- Remove the belt end fitting -2- from the locking tab -3-.
- From inside the luggage compartment, detach the bracket
 -1- for the connector -2- from the rear panel upper section.



liability with respect to the correctness of information in this

- Disconnect the connector -2-.



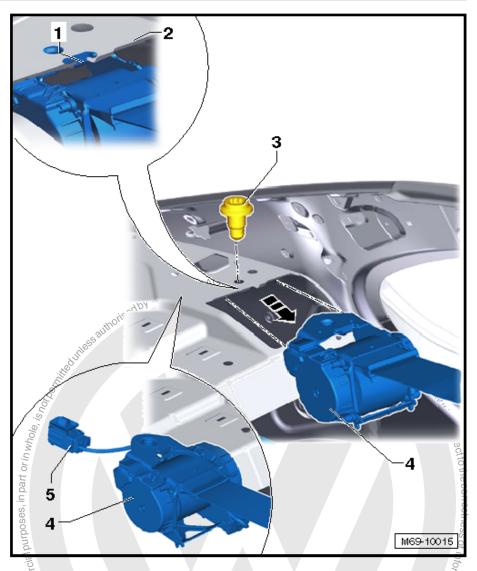


WARNING

Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". For example, this can be done by briefly touching the door striker.

- Remove the bolt -3- (40 Nm).
- Loosen the retainer -1- of the rear panel upper section -2-.
- Remove the automatic belt retractor -4- with the connector -5- from the rear wall upper section in direction of -arrow-.







WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to
 ⇒ "1 Safety Precautions", page 1
- ◆ Before handling pyrotechnic components (for example, connecting a connector), the person handling it must "discharge static electricity". For example, this can be done by briefly touching the door striker.



Install in reverse order of removal and note the following:



Note

- Make sure the connectors are installed all the way and engage audibly.
- ♦ If parts of the seat belt system are removed due to an accident, replace the belt system bolts.

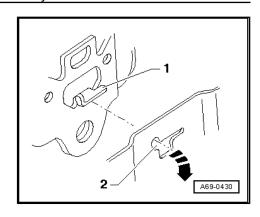
Insert the automatic belt retractor with the anti-twist mechanism -1- in the mount -2- -arrow- and tighten the bolt.



WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

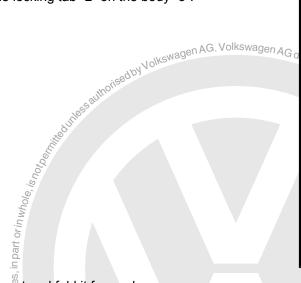
Connect the battery ground cable with the ignition switched on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



1.5 Rear Three Point Seat Belt in Center, Removing and Installing

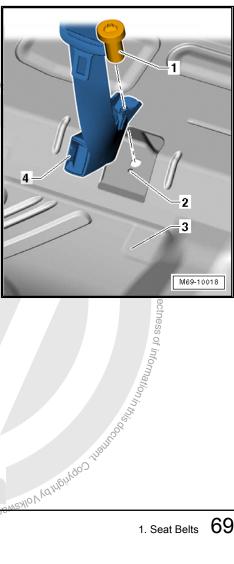
Removing

- Remove the bench seat. Refer to ⇒ "2.1 Rear Bench Seat, Removing and Installing", <u>page 275</u> .
- Remove the rear shelf. Refer to ⇒ "4.12 Rear Shelf, Removing and Installing", page 216.
- Vehicles with Subwoofer In Rear Shelf R157-, remove the subwoofer. Refer to ⇒ Communication; Rep. Gr. 91; Sound System.
- Remove the bolt -1- (40 Nm) and remove the single seat belt latch -4- from the locking tab -2- on the body -3-.

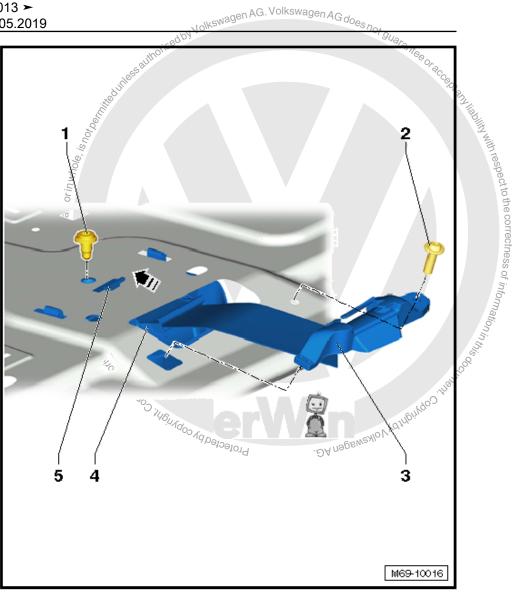




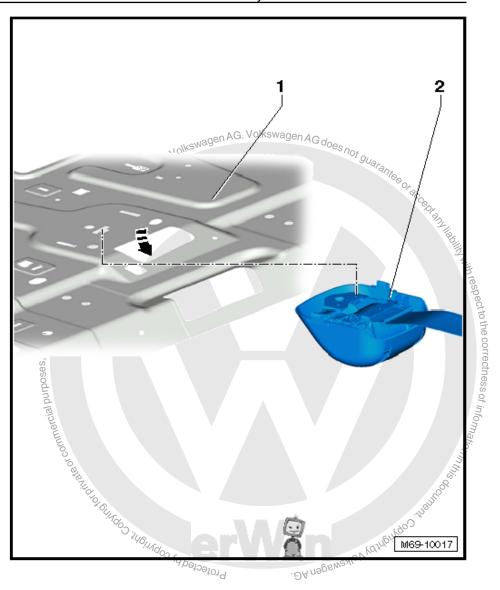
- Remove the bolt -2- (8 Nm) and the seat belt guide -3- from the rear wall upper section.
- Remove the bolt -1-(40 Nm).
- Unhook the retainer -5- for the automatic belt retractor -4- in direction of -arrow-. That of Bullato Habitadoo Kapon







From inside the luggage compartment, remove the entire center seat belt -2- from the rear wall upper section -1- in direction of -arrow-.



- If parts of the seat belt system are removed due to an accident, replace the belt system mounting bolts.
- Insert the three-point seat belt with the anti-twist mechanism in the mount and tighten the bolt (40 Nm).

Install in reverse order of removal.

Front Safety Belt Height Adjuster, Re-1.6 moving and Installing



Note

The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.

Removing

Remove the B-pillar upper trim panel. Refer to ⇒ "4.5 B-Pillar Upper Trim Panel, Detaching and Fastening", <u>page 204</u>.

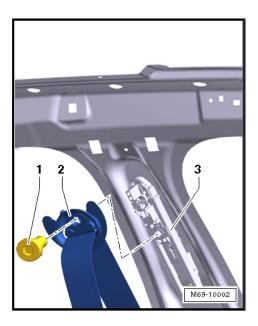




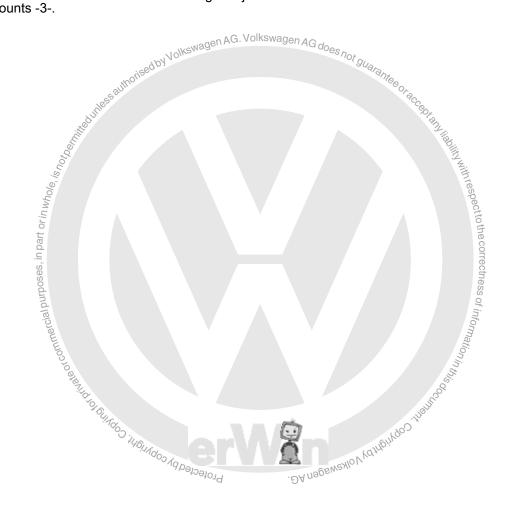
Note

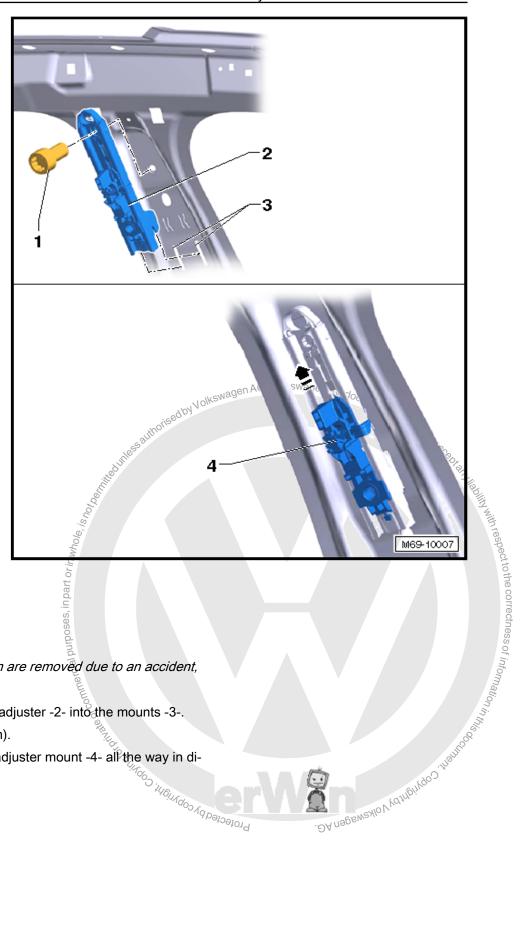
It is not necessary to remove the belt end fitting or the guide bracket from the seat belt.

Remove the bolt -1- (40 Nm) and loosen the seat belt ring
 -2- from the seat belt height adjuster -3-.



 Remove the bolt -1- and the seat belt height adjuster -2- from the mounts -3-.





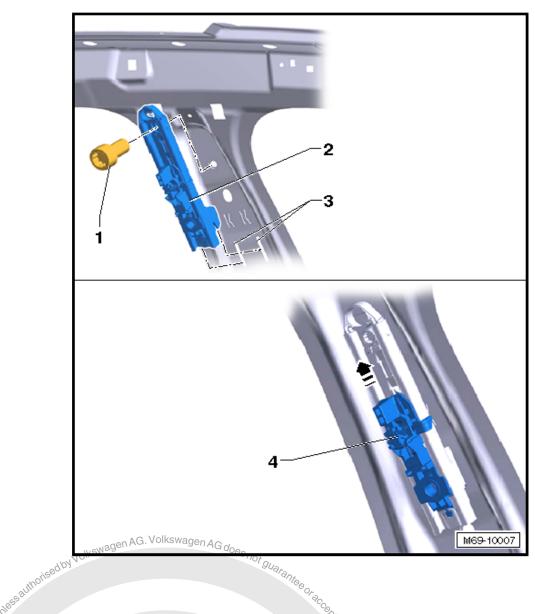


Note

If parts of the seat belt system are removed due to an accident, replace the belt system bolts.

- Install the seat belt height adjuster -2- into the mounts -3-.
- Tighten the bolt -1- (20 Nm).
- Push the seat belt height adjuster mount -4- all the way in di-Protected by Copyright, Copy. rection of -arrow-.







Note

The seat belt height adjuster mount -4- must be in the highest position in order to install the B-pillar trim. The set breaking point can tear in any other position.

- The rest of the installation is the reverse order of removal.
- When performing the function test, the following conditions must be fulfilled:
- The seat belt height adjuster must audibly engage in each of the three possible positions (and also in the highest position).
- Belt height adjuster button must return to upper position by itself after being pressed.
- The belt relay must swing into vertical position or carrier direction by itself after tightening the screw.

If any of the listed conditions are not fulfilled, the belt height adjuster assembly must be checked; if necessary, replace the belt height adjuster.

Install the upper B-pillar trim. Refer to

 ⇒ "4.6 B-Pillar Upper Trim Panel, Removing and Installing", page 206

Front Seat Belt with Driver/Front Rasanger Seat Belt Switch - E24-7 - E25-, moving and Installing orkshop equipment required on Holder - Seat Repair Fixture - VAS6136-Bracket - VAS6095A **Go95A-.** **Go95A-.** **ame.** **ame.** **ame.** **arness** **ame.** **arness** **ar 1.7

Special tools and workshop equipment required

- ◆ Engine/Transmission Holder Seat Repair Fixture VAS6136-
- Engine and Gearbox Bracket VAS6095A-



Note

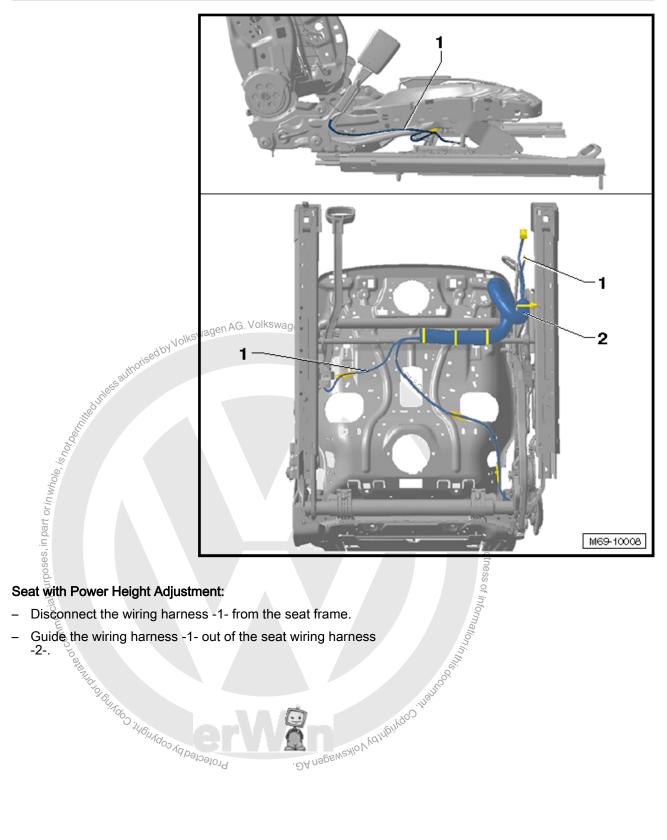
The following describes removing and installing the seat belt latch on the left seat. Removing and installing the seat belt latch on the right side is identical.

Removing

- Attach the -VAS6136- onto the -VAS6095A- .
- Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253.
- Secure the seat on the -VAS6136- .
- Move the seat all the back.

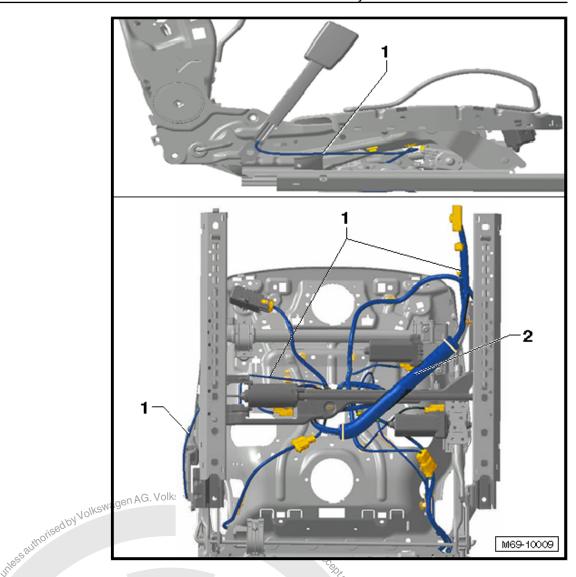
Seat with Manual Height Adjustment:

- Disconnect the wiring harness -1- from the seat frame.
- Guide the wiring harness -1- out of the seat wiring harness



Seat with Power Height Adjustment:

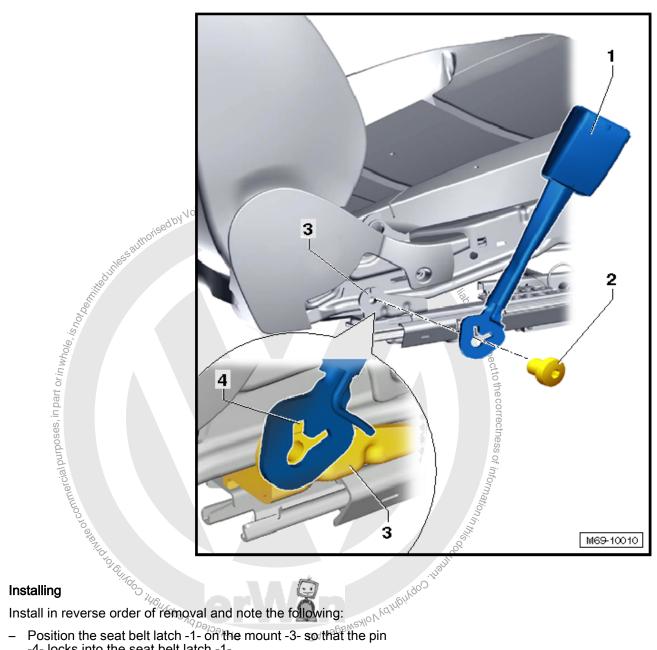
- Disconnect the wiring harness -1- from the seat frame.
- Guide the wiring harness -1- out of the seat wiring harness The special of the state of the



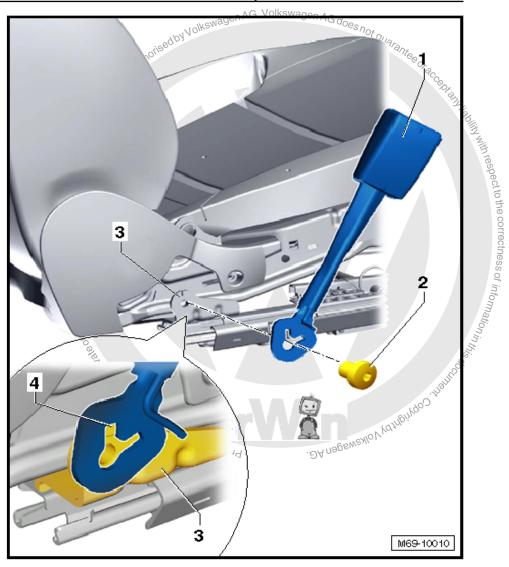
Remove the bolt -2- (20 Nm).



- Bolt -2- is micro-encapsulated and must be replaced after each loosening.
- Before installing the new bolt, threads on nut must be cleaned, re-cut if necessary. - DA negeweahov Valinton into was one into was one of into was
- Beer of commercial purposes of commercial purposes. Remove the seat belt latch -1- from the mount -3-.



Position the seat belt latch -1- on the mount -3- so that the pin -4- locks into the seat belt latch -1-.





WARNING

- ◆ Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1
- ◆ Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Observe all measures when installing the front seat. Refer
 - ⇒ "1.4 Front Seat, Removing and Installing", page 253.

1.8 Rear Dual Seat Belt Latch, Removing and Installing

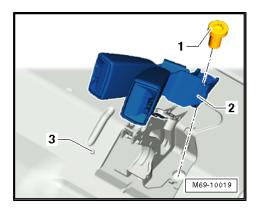
Removing

Remove the bench seat. Refer to ⇒ "2.1 Rear Bench Seat, Removing and Installing", <u>page 275</u> .



- Remove the backrest. Refer to
 ⇒ "2.2 Rear Seat Backrest, Removing and Installing",
 page 276
- Remove the bolt -1- (40 Nm) and the dual seat belt latch -2from the body -3-.

- Install in reverse order of removal.





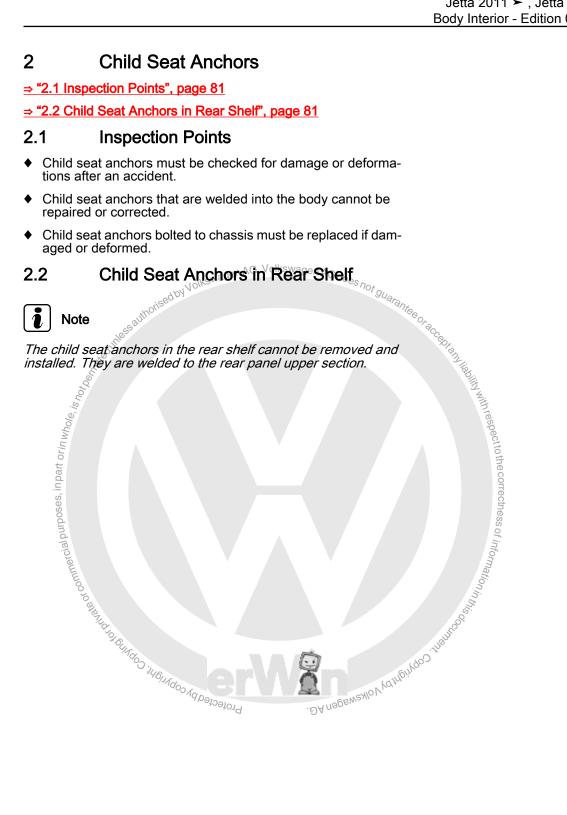
2

- ⇒ "2.1 Inspection Points", page 81
- ⇒ "2.2 Child Seat Anchors in Rear Shelf", page 81

2.1

- ♦ Child seat anchors must be checked for damage or deformations after an accident.
- Child seat anchors that are welded into the body cannot be repaired or corrected.
- Child seat anchors bolted to chassis must be replaced if damaged or deformed.

2.2



3 Airbag System

⇒ "3.1 Component Location Overview - Airbag System",

⇒ "3.2 Components, Adapting", page 84

3.1 Component Location Overview - Airbag System

1 - Driver Side Airbag Unit

Removing and installing. Refer to "5.1 Airbag Unit with Driver Airbag Igniter N95, Removing and In-<u>stalling", page 88</u> .

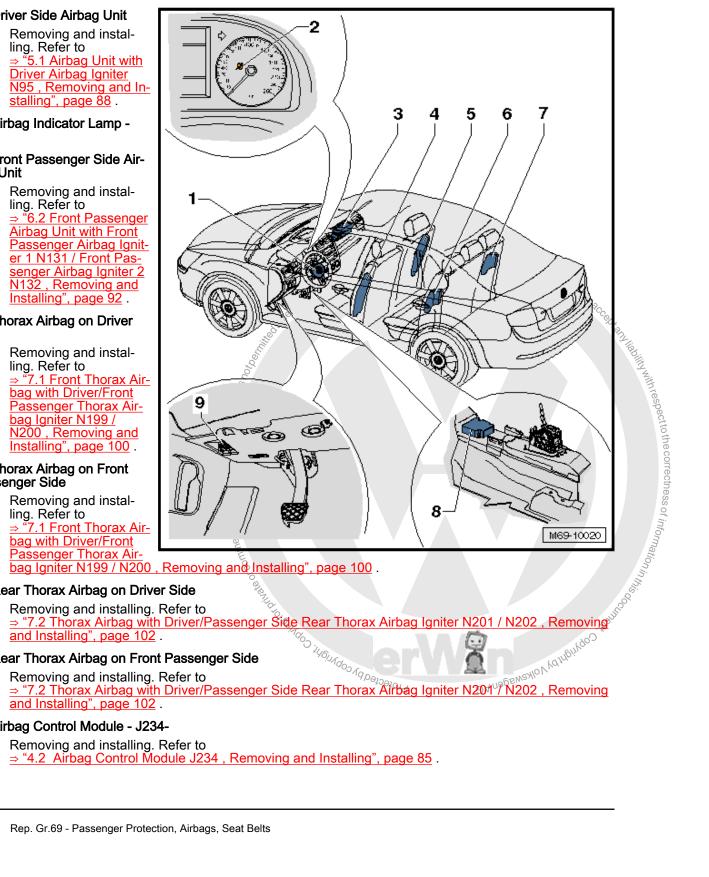
2 - Airbag Indicator Lamp -

3 - Front Passenger Side Airbag Unit

Removing and installing. Refer to "6.2 Front Passenger Airbag Unit with Front Passenger Airbag Igniter 1 N131 / Front Passenger Airbag Igniter 2 N132, Removing and Installing", page 92

4 - Thorax Airbag on Driver Side

5 - Thorax Airbag on Front Passenger Side



6 - Rear Thorax Airbag on Driver Side

☐ Removing and installing. Refer to

7 - Rear Thorax Airbag on Front Passenger Side

□ Removing and installing. Refer to

8 - Airbag Control Module - J234-

□ Removing and installing. Refer to

☐ Adapt (code) components using the Vehicle Diagnostic Tester. Refer to "3.2 Components, Adapting", page 84

9 - Diagnostic Connector

10 - Driver Head Curtain Airbag

☐ Removing and installing. Refer to ⇒ "8.1 Head Curtain Airbag with Driver/Front Passenger Head Curtain Airbag Igniter N251 / N252 , Removing and Installing", page 106.

11 - Front Passenger Head **Curtain Airbag**

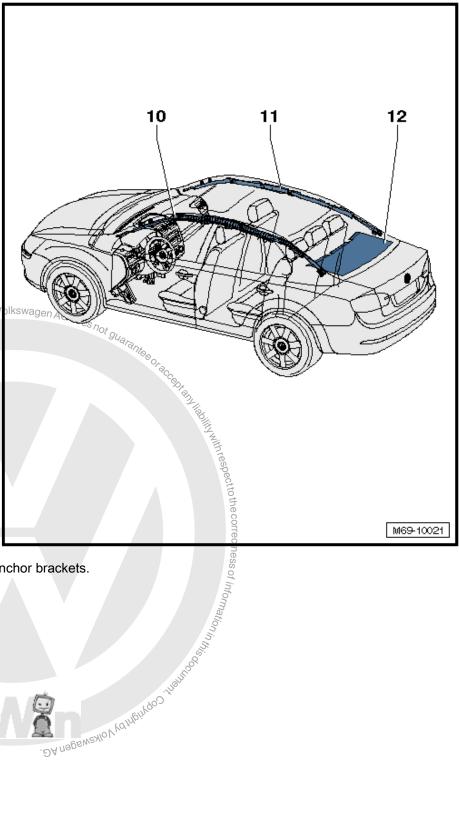
Removing and installing. Refer to ⇒ "8.1 Head Curtain Airbag with Driver/Front Passenger Head Curtain Airbag Igniter N251 / N252 , Removing and Installing", page 106. wagen AG. \

12 - Rear Shelf/Rear Panel Upper Section with LATCH Child Seat Anchors

- ☐ Rear Shelf, Removing and installing. Refer to ⇒ "4.12 Rear Shelf, Removing and Installing", page 216.
- ir. de per Do r. adjus, ets.

 Replace

 Replace installed. They are welded to the rear panel up
 - adjust the anchor brack-
 - □ Replace any deformed anchor brackets.



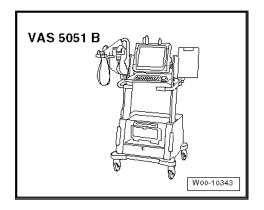
3.2 Components, Adapting

- Vehicle Diagnostic Tester
- ◆ 5m Diagnosis Lead VAS5051/1- or Diagnosis Lead for LT2 - VAS5051/3-

Select "Guided Fault Finding" on the Vehicle Diagnostic Tester.

After all control modules have been interrogated:

- Press the "GO TO" button.
- Select "function/component selection".
- Select "Body".
- Select "Body Repairs"
- Select "01 OBD-capable systems".
- Select "Airbag".
- Select "Functions".
- Select "Action".





4 Airbag Control Module

⇒ "4.1 Overview - Airbag Control Module", page 85

⇒ "4.2 Airbag Control Module J234, Removing and Installing", page 85

4.1 Overview - Airbag Control Module

1 - Airbag Control Module -J234-

- □ Removing and installing. Refer to ⇒ "4.2 Airbag Control Module J234 , Removing and Installing", page <u>85</u>
- ☐ The control module is grounded via the housing with the body.

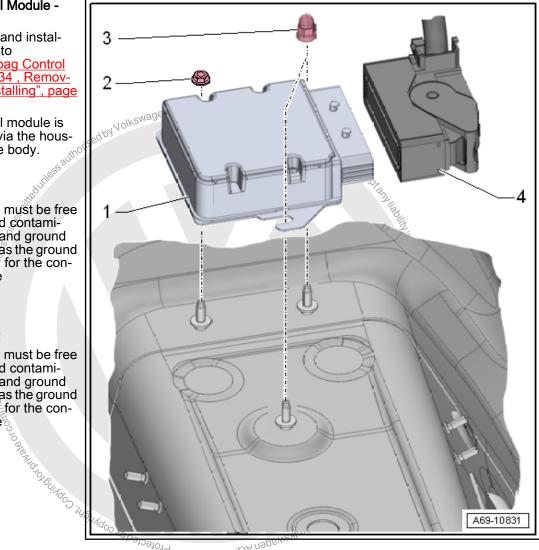
2 - Nut

- □ 9 Nm
- ☐ The thread must be free of paint and contaminants, nut and ground pins serve as the ground connection for the control module

3 - Nut

- □ 9 Nm
- ☐ Quantity 2
- ☐ The thread must be free of paint and contaminants, nut and ground pins serve as the ground connection for the control module

4 - Connector



Airbag Control Module - J234-, Remov-4.2 ing and Installing



WARNING

Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1.

Removing

Disconnect the battery ground cable when the ignition is turned on. Refer to \Rightarrow Electrical Equipment; Rep. Gr. 27; Battery, Battery, Disconnecting and Connecting.

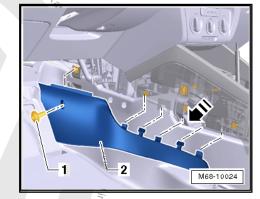




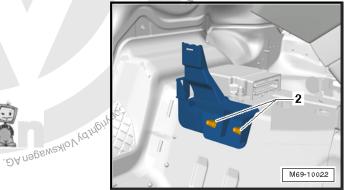
Note

The removing and installing is described for the trim panel and guarantee to the trim panel and supplied and installing on the other side is simthe left bracket. Removing and installing on the other side is sim-

- Remove the screw -1- (1.5 Nm).
- Remove the trim panel -2- from the center console in direction of -arrow ?



- Remove the nuts -2- (2.5 Nm).
- Remove the bracket -1- from the center tunnel. Apindo Single of Single of

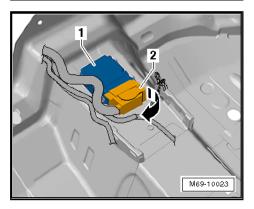


Open the locking mechanism -2- on the connector in direction of -arrow- and remove the wiring harness from the control module -1-.



Note

The control module is shown in the illustration without the other components around it.



- Remove the nuts -1- (9 Nm).
- Remove the control module -2- from the center tunnel.



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, connecting a connector), the person handling it must "dis-charge static electricity". For example, this can be done by briefly touching the door striker.

Install in reverse order of removal and note the following:



Note

Make sure the connectors are installed all the way and engage audibly.



WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

Connect the battery ground cable with the ignition switched on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.

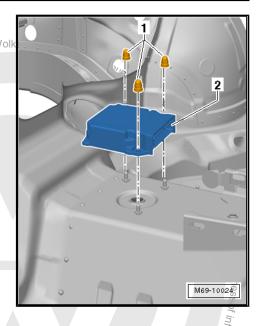


Note

- If the Airbag Indicator Lamp K75- indicates a fault after installing, check the DTC memory, erase it and check it again using the Vehicle Diagnostic Tester.
- The Airbag Control Module J234- must be coded after replacing it using the Vehicle Diagnostic Tester.

Installation instructions: for example tightening specifications, replacing components. Refer to

⇒ "4.1 Overview - Airbag Control Module", page 85





5 Driver Side Airbag

⇒ "5.1 Airbag Unit with Driver Airbag Igniter N95, Removing and Installing", page 88

5.1 Airbag Unit with Driver Airbag Igniter -N95-, Removing and Installing



Note

- The following describes removing and installing the airbag unit inside a multifunction steering wheel.
- The screwdriver mentioned in the following should be about 175 mm long and have a blade width of 7 mm.

Removing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1
- Follow all regulations when disposing of pyrotechnic com ponents. Refer to *⇒ "1.3 Airbag, Belt Tensioner and Battery Cut-Out Units,* Storing, Transporting and Disposing (Pyrotechnic Components)", page 5
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting
- Move the steering wheel to the lowest position.
- Adjust the steering wheel depth (reach) so it is in the fully extended position.
- Turn the steering wheel to the position illustrated.
- Insert a screwdriver all the way into the hole on the back of the steering wheel (approximately 8 mm).
- Turn the screwdriver toward the driver door -arrow A-. This will unlock the airbag unit locking mechanism 1- in direction of the -arrow B-, on the right side of the steering wheel.



Note

JINSWAGEN AG. Volkswagen AG does not ougla antee or according to the correctness of information in the corre If it is not a multifunction steering wheel, then the airbag unit must be removed from the steering wheel bezel Protected by copyright .ĐAnggswayloV (dingi on the upper edge after actuating the lock.

Turn the steering wheel 180° and the airbag unit locking mechanism on the left side of the steering wheel will unlock as described.

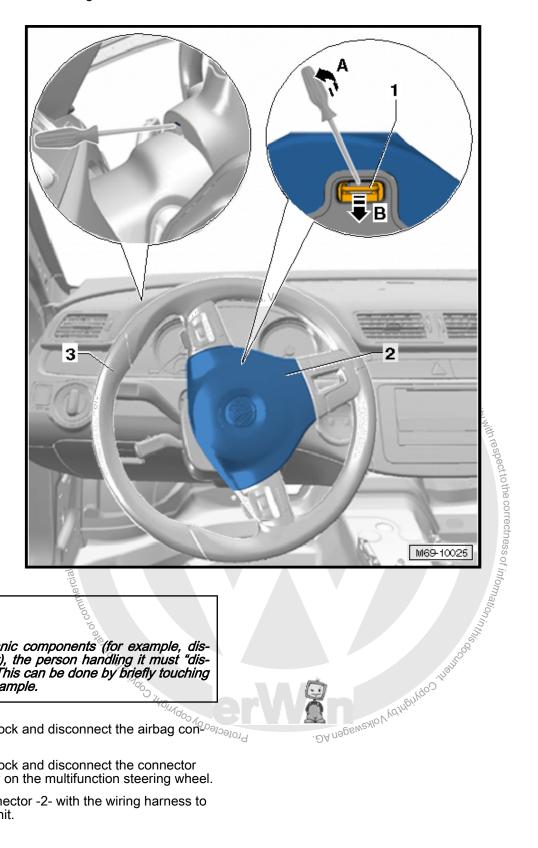


Note

If it is not a multifunction steering wheel, then the airbag unit must be removed from the steering wheel bezel on the upper edge after actuating the lock.



- Turn the steering wheel back to its center position.
- Loosen the airbag unit from the steering wheel.

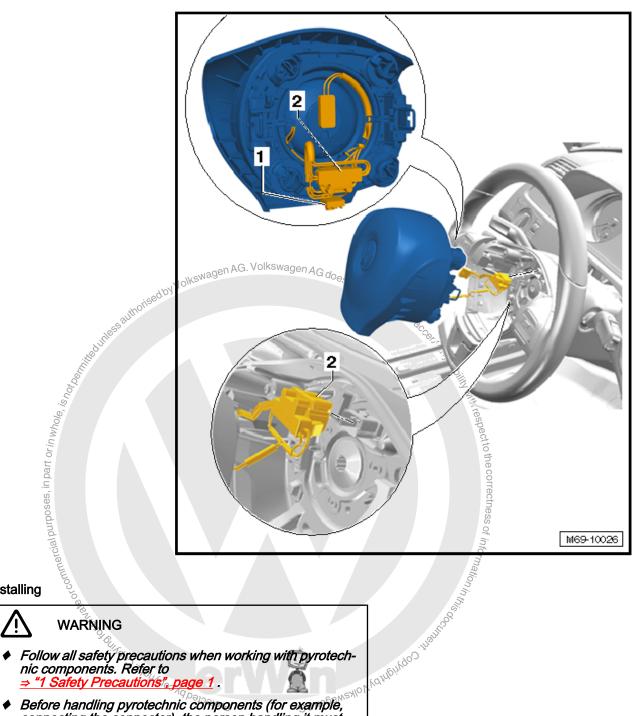




WARNING

Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.

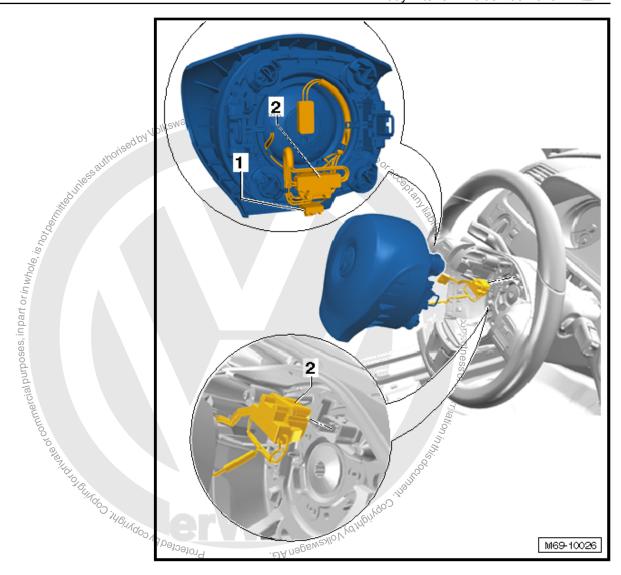
- Release the connector lock and disconnect the airbag con^{Q_0} nector -2-.
- Release the connector lock and disconnect the connector -1-. This is required only on the multifunction steering wheel.
- Connect the airbag connector -2- with the wiring harness to the back of the airbag unit.





WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1.
- Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Connect the airbag connector -2- in the connector. The airbag connector must click into place.
- Connect the connector -1- in the connector. This is required only on the multifunction steering wheel.
- Push the airbag unit into the steering wheel.
- Gently pull on the airbag unit to make sure the it is locked securely inside steering wheel on the left and right sides.





Note

- Make sure the connectors are installed all the way and engage audibly.
- Make sure the wires do not get caught.



WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

- Connect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Check and erase the airbag control module Diagnostic Trouble Code (DTC) memory because faults can be stored from when the connectors are disconnected. Use the Vehicle Diagnostic Tester.

6 Front Passenger Airbag

⇒ "6.1 Advanced Airbag System ", page 92

⇒ "6.2 Front Passenger Airbag Unit with Front Passenger Airbag Igniter 1 N131 / Front Passenger Airbag Igniter 2 N132 , Removing and Installing", page 92

6.1 "Advanced Airbag System"

"Advanced Airbag System" refers to an airbag unit with two airbag stages which are deployed depending on the severity of the accident. For less severe crashes, the second stage is not deployed.



WARNING

- Airbag modules in which only the first stage has been deployed can cause severe injuries by deployment of the second stage.
- ◆ Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1.
- ◆ Follow all regulations when disposing of pyrotechnic components. Refer to ⇒ "1.3 Airbag, Belt Tensioner and Battery Cut-Out Units, Storing, Transporting and Disposing (Pyrotechnic Components)", page 5.

At this time, there is no possibility of checking whether the second stage has been deployed definitively. For this reason, such airbag units must be recycled/disposed of in an orderly manner, conforming to national regulations, in the original packaging! If questions arise, contact the importer!



WARNING

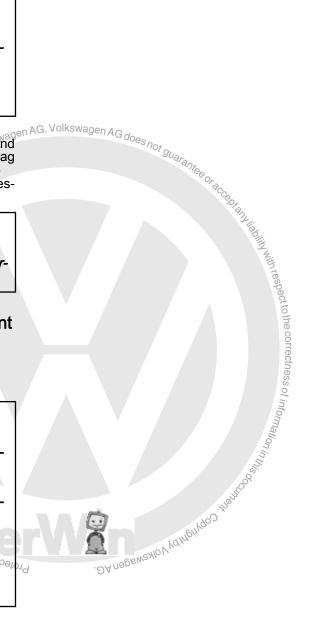
Disposal of undeployed airbag units as industrial waste/gar-bage is not permissible!

6.2 Front Passenger Airbag Unit with Front Passenger Airbag Igniter 1 - N131- / Front Passenger Airbag Igniter 2 - N132-, Removing and Installing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1.
- ◆ Follow all regulations when disposing of pyrotechnic components. Refer to ⇒ "1.3 Airbag, Belt Tensioner and Battery Cut-Qut Units, Storing, Transporting and Disposing (Pyrotechnic Components)", page 5.
- Follow the allocation of the airbag unit to the instrument panel. Refer to the Parts Catalog.



Removing

- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Remove the side instrument panel cover. Refer to ⇒ "2.1 Side Instrument Panel Covers, Removing and Installing", page 170
- Remove the A-pillar center trim panel. Refer to ⇒ "4.2 A-Pillar Center Trim, Removing and Installing",
- Remove the glove compartment. Refer to ⇒ "1.4 Glove Compartment, Removing and Installing", page 20 .

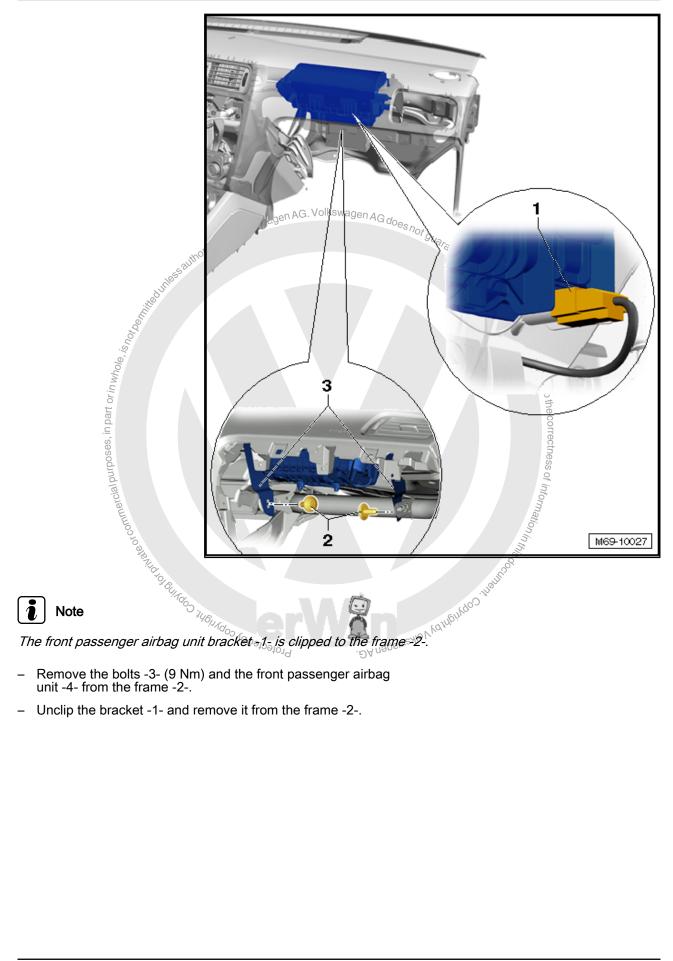


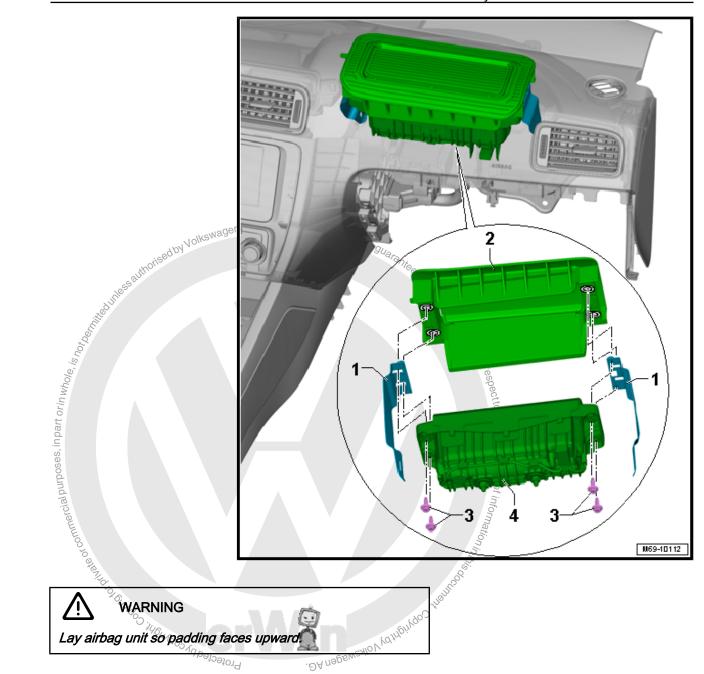
WARNING

Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.

- Disconnect the wiring harness -1- from the front passenger side airbag unit.
- Remove the screws -2- from the bracket -3- (9 Nm). Protected by copyright, O



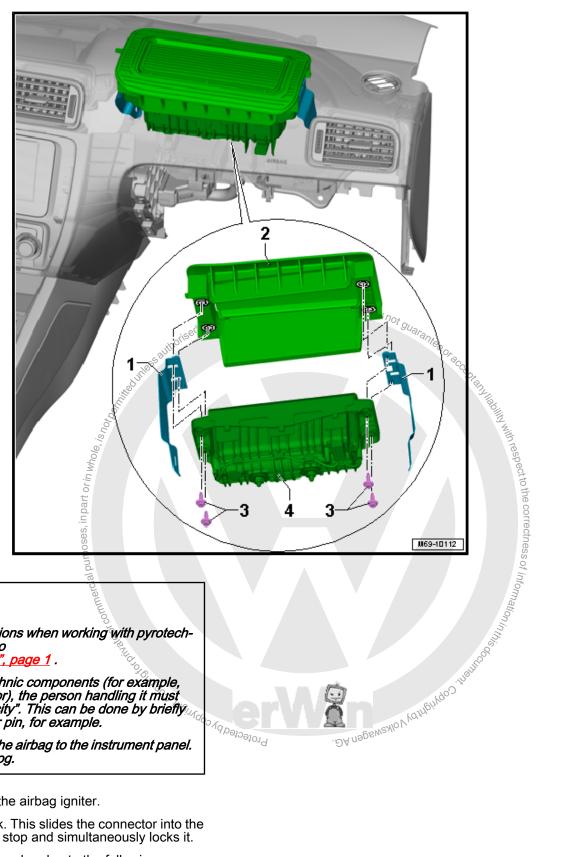






Note

- If the housing for the front passenger airbag unit -4- is plastic, then use Locking Compound D 197 300 A2-when installing the bolts -3- (9 Nm).
- Make sure the four bushings are inside the frame -2- before installing the airbag unit on the front passenger side -4-.



Protectedbyc



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by brieffy touching the door striker pin, for example.
- Follow the allocation of the airbag to the instrument panel. Refer to the Parts Catalog.
- Connect the connector to the airbag igniter.
- Press in the connector lock. This slides the connector into the airbag igniter as far as the stop and simultaneously locks it.

Install in reverse order of removal and note the following:



Note

- Make sure the connectors are installed all the way and engage audibly.
- Make sure the wires do not get caught.



The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

Connect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



Note

If the Airbag Indicator Lamp - K75- signals a fault after installing, check the Diagnostic Trouble Code (DTC) memory, erase it and check it again use the Vehicle Diagnostic Tester.

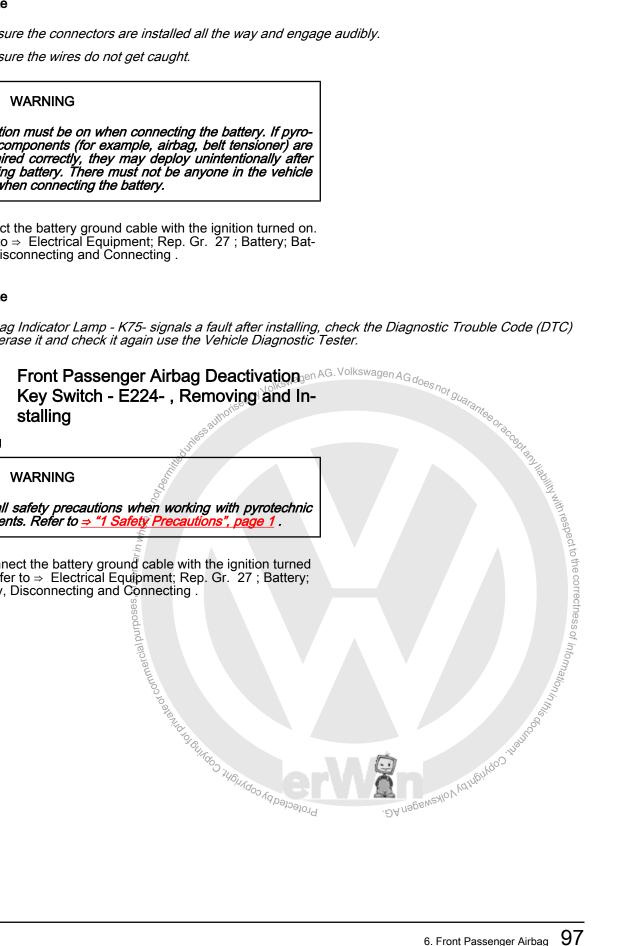
6.3

Removing



Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1.

Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



Remove the glove compartment. Refer to ⇒ "1.4 Glove Compartment, Removing and Installing", page 20.



WARNING

Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.

- Press the catch -1- in the direction of the -arrow- until the connector disengages.
- Disconnect the connector -2-.
- Release the springs -3 and 5- and push the Front Passenger Airbag Deactivation Key Switch - E224- -4- out of the key switch housing.

Installing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.

Install in reverse order of removal and note the following:



Note

- Make sure the connectors are installed all the way and engage audibly.
- Make sure the wires do not get caught.
- Make sure the Front Passenger Airbag Deactivation Key Switch - E224-clicks into the housing.



WARNING

note the following:

note the following:

note the following:

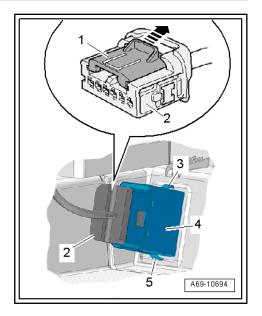
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Deactivation Key

ned on.
; Bat-The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

Connect the battery ground cable with the ignition turned on. Refer to \Rightarrow Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



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Note

If the Airbag Indicator Lamp - K75- signals a fault after installing, check the Diagnostic Trouble Code (DTC) memory, erase it and check it again use the ⇒ Vehicle diagnostic tester.



7 Thorax Airbags

⇒ "7.1 Front Thorax Airbag with Driver/Front Passenger Thorax <u>Airbag Igniter N199 / N200 , Removing and Installing", </u> page 100

⇒ "7.2 Thorax Airbag with Driver/Passenger Side Rear Thorax

Front Thorax Airba, Passenger Thorax Airba, N199- / - N200-, Removing and Installing on the left wagen AG does not guaranteed the vehicle. Removing and installing on the right side is identical.

ARNING

**





- ponents)", page 5

Removing

- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Remove the left front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253
- · DA nagewallo V Vahleirego. inahuoda i Remove the right trim on the seat. Refer to 9 ⇒ "1.10 Right Seat Trim Panel, Removing and Installing", page 263.

Vehicles without Seat Adjustment

Remove the left trim panel on the seat without height adjustment. Refer to ⇒ "1.7 Left Seat Trim Panel without Height Adjustment, Removing and Installing", page 258.

Vehicles with Manual Seats

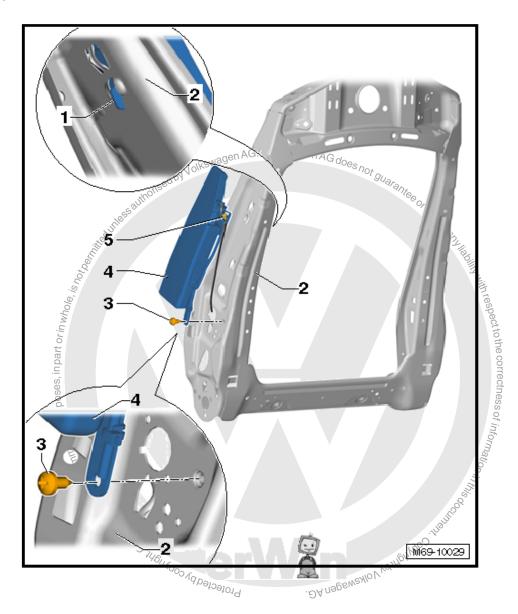
Remove the left trim panel on the seat with manual height adjustment. Refer to <u> "1.8 Left Seat Trim Panel with Manual Height Adjustment,</u> Removing and Installing", page 260.

Vehicles with Power Seats

Remove the left trim panel on the seat with power height adjustment. Refer to ⇒ "1.9 Left Seat Trim Panel with Power Height Adjustment, Removing and Installing", page 261

All Vehicles

- Remove the front seat backrest. Refer to ⇒ "1.15 Backrest, Removing and Installing", page 269.
- Remove the cover and the backrest cushion. Refer to ⇒ "1.2 Backrest Covers and Cushions, Removing and Installing", page 291
- Disconnect the connector -5- from the thorax airbag -4-.
- Remove the bolt -3- (9 Nm).
- Remove the retainer -1- for the thorax airbag -4- from the mount in the backrest frame -2-.
- Remove the thorax airbag -4- from the backrest frame -2-.





WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to *⇒ "1 Safety Precautions", page 1* .
- Before handling pyrotechnic components (for example, connecting a connector), the person handling it must "dis-charge static electricity". For example, this can be done by briefly touching the door striker.
- Install in reverse order of removal.



Note

- Make sure the connectors are installed all the way and engage
- Make sure the wires do not get caught.



WARNING

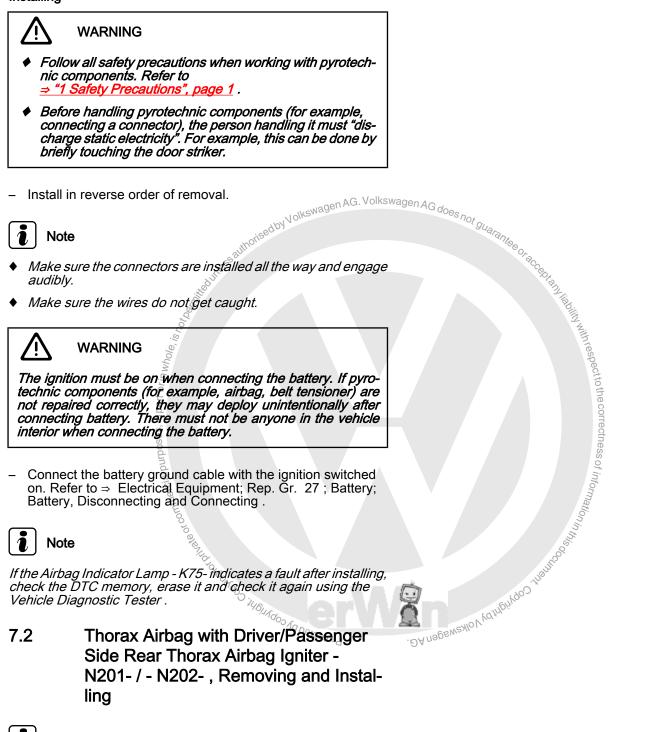
The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

Connect the battery ground cable with the ignition switched on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



Note

If the Airbag Indicator Lamp - K75- indicates a fault after installing, check the DTC memory, erase it and check it again using the Vehicle Diagnostic Tester .





Note

The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.





- asty precautions when working with pyrole.

 mls. Refer to
 Precautions, page 1.

 additional safety precautions when working
 horax airbag. Refer to
 ditional Thorax Arbag Safety Precautions", page

 / all regulations when disposing of pyrotechnic comnis. Refer to
 3.3 Arbag, Belt Tensions and Battery Cut-Out Units,
 ing. Transporting and Disposing (Pyrotechnic Comnenist)", page 3.

 Joving

 Disconnect the battery ground cable with the ignition turned
 on. Refer to 2. Electrical Equipment, Rep. Cr. 27; Battery,
 Battery, Disconnecting and Connecting
 and Connecting and Connecting
 The Page 280.

 Remove the side padding with the thorax airbag -1. Refer to
 2.24. Side Padding with Thorax Airbag, Removing and In**Ind**, page 280.

 **nect the connector -2- and wiring framess from the side
 1.

 **Notis -3- (9 Nm).

 **ulated and must be replaced after each loosening:
 the threads of the corresponding nuts must be cleaned.

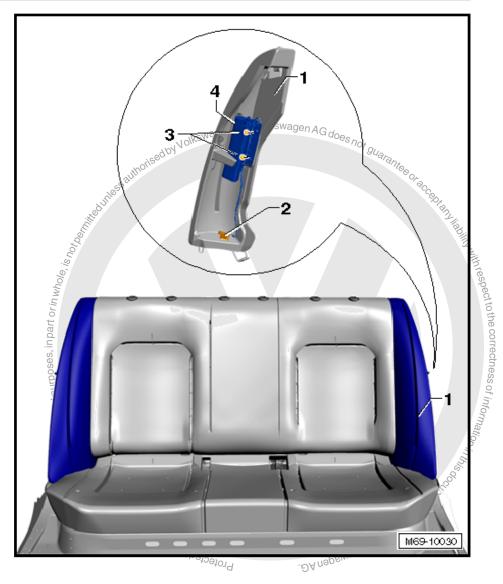
 Ind The Side cushion -1-.

Removing









Installing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to
 ⇒ "1 Safety Precautions", page 1.
- ◆ Before handling pyrotechnic components (for example, connecting a connector), the person handling it must "discharge static electricity". For example, this can be done by briefly touching the door striker.
- Install in reverse order of removal.



Note

- Make sure the connectors are installed all the way and engage audibly.
- Make sure the wires do not get caught.



WARNING

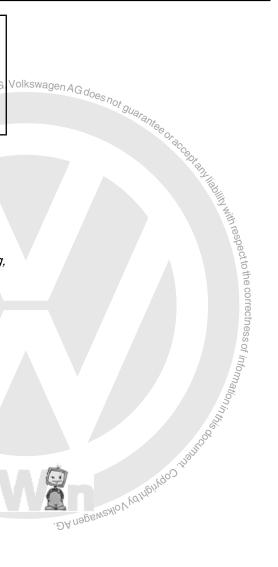
The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

Connect the battery ground cable with the ignition switched on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



Note

If the Airbag Indicator Lamp - K\$\bar{\bar{I}}\$5- indicates a fault after installing, check the DTC memory, erase it and check it again using the Protected by sopyright, copyright, copyright, sopyright, copyright, copyright Vehicle Diagnostic Tester .



8 Head Curtain Airbags

⇒ "8.1 Head Curtain Airbag with Driver/Front Passenger Head Curtain Airbag Igniter N251 / N252 , Removing and Installing", page 106

8.1 Head Curtain Airbag with Driver/Front Passenger Head Curtain Airbag Igniter -N251- / -N252- , Removing and Installing



Note

The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to
 ⇒ "1 Safety Precautions", page 1.
- ◆ Follow all regulations when disposing of pyrotechnic components. Refer to ⇒ "1.3 Airbag, Belt Tensioner and Battery Cut-Out Units, Storing, Transporting and Disposing (Pyrotechnic Components)", page 5.

Removing

- Lower the headliner (the headliner will not be removed from the vehicle and the front seats and the front passenger door will not be removed). Refer to
 ⇒ "6.1 Headliner, Detaching and Fastening", page 233
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.

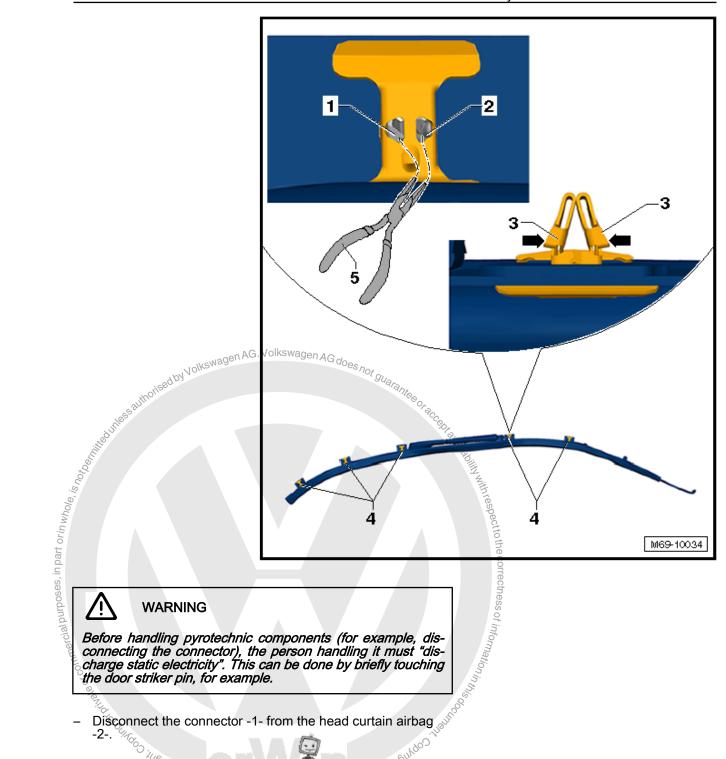
Clips, Removing

- Insert a needle nose pliers -5- into the openings -1 and 2- in the clips -4-.
- Carefully close the needle nose pliers -arrows-. This will loosen the retainers -3- on the clips -4-.

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Remove the clips -4- from the body.



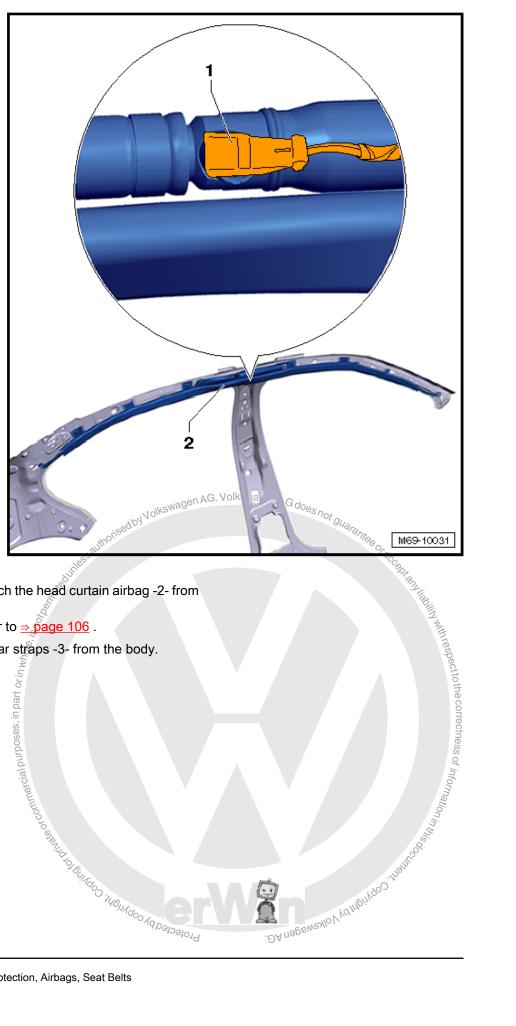




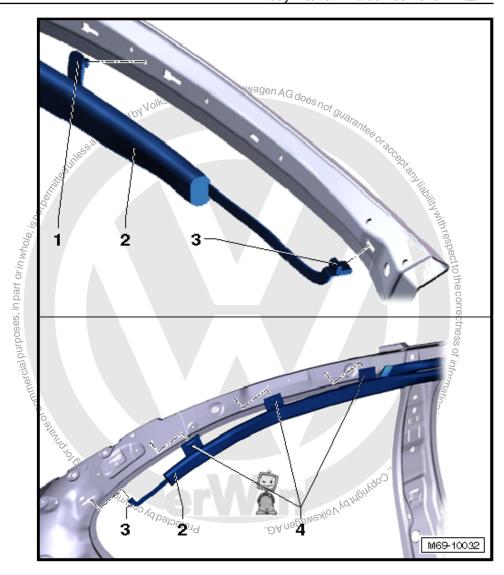
Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.

Disconnect the connector -1- from the head curtain airbag Protected by copyright: Copyright





- Open the clips -1- and detach the head curtain airbag -2- from the body.
- Remove the clips -4-. Refer to ⇒ page 106.
- ts Disengage the front and rear straps -3- from the body.



Remove the bolt -1- (4.5 Nm).

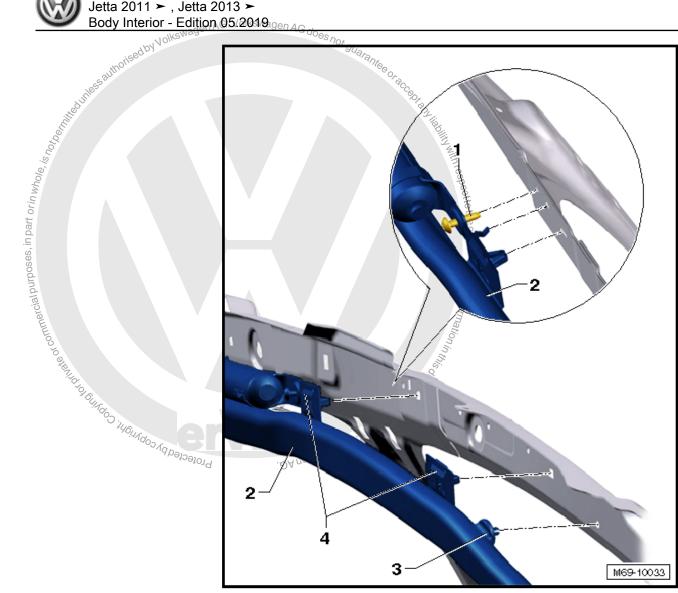


Note

Replace the bolt -1-.

- Open the clips -3- and remove the head curtain airbag -2- from the body.
- Remove the clips -4-. Refer to ⇒ page 106.
- With a second technician, remove the head curtain airbag -2- from the vehicle.





Installing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1
- Always follow head curtain airbag installation procedure.
- Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.



Note

- Make sure the connectors are installed all the way and engage
- Make sure the wires do not get caught.



WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

Connect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



Note



9 Airbag Crash Sensors

- ⇒ "9.1 Driver Front Airbag Crash Sensor G283; Removing and Installing ", page 112
- ⇒ "9.2 Passenger Side Front Airbag Crash Sensor G284", page 114
- ⇒ "9.3 Driver Thorax Airbag Crash Sensor G179, Removing and Installing", page 115
- ⇒ "9.4 Front Passenger Thorax Airbag Crash Sensor G180, Removing and Installing", page 119
- ⇒ "9.5 Driver Side Rear Thorax Airbag Crash Sensor G256, Removing and Installing", page 119
- ⇒ "9.6 Passenger Side Rear Thorax Airbag Crash Sensor G257, Removing and Installing", page 123
- 9.1 Driver Front Airbag Crash Sensor -G283- , Removing and Installing



The Driver Front Airbag Crash Sensor - G283- is located on the left side of the lock carrier on the front. 1461 CODS, 1461 (CODS)

Removing



WARNING

Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1.

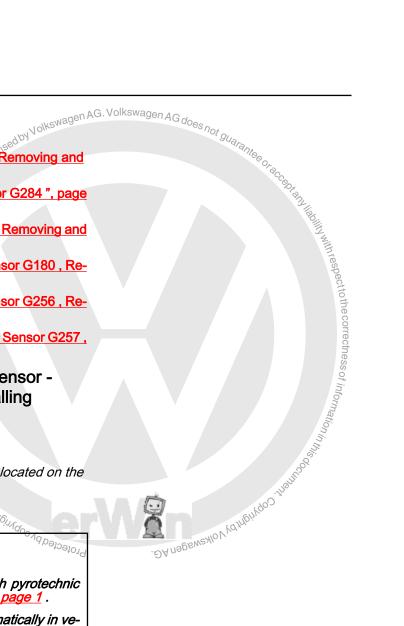
There is a risk of injury if the engine starts automatically in vehicles with a Start/Stop System.

- For vehicles with an activated Start/Stop System (recognized by a signal in the instrument cluster), the engine can be started automatically if needed.
- Make sure that the Start/Stop System is deactivated when working on the vehicle (turn off the ignition, turn on the ignition when necessary).
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



WARNING

Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.



- Unlock and disconnect the connector -1- from the Driver Front Airbag Crash Sensor - G283- -3-.
- Remove the bolt -2- (4.5 Nm) and the Driver Front Airbag Crash Sensor - G283- -3-.

Installing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to
- ◆ Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.

Install the Driver Front Airbag Crash Sensor - G283- -3-. The tab -arrow As must fit into the hole -arrow B-.

edby Volkswagen AG. Volkswagen AG does not guar,



Note

This ensures the Driver Front Airbag Crash Sensor - G283- will be installed correctly.

- Install the bolt -2- and tighten it to 4.5 Nm.
- Connect the connector -1- and lock it.



Note

- Make sure the connectors are installed all the way and engage audibly.
- Make sure the wires do not get caught.



WARNING

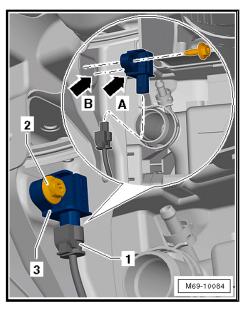
The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

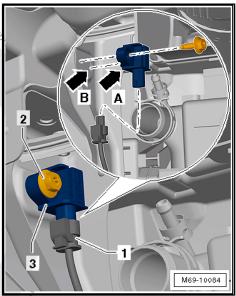
Connect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



Note

If the Airbag Indicator Lamp - K75- indicates a fault, check the Diagnostic Trouble Code (DTC) memory, erase it and check it again using the Vehicle Diagnostic Tester.





9.2 Passenger Side Front Airbag Crash Sensor - G284-



Note

The Passenger Side Front Airbag Crash Sensor - G284- is located on the right side of the lock carrier.

Removing



WARNING

Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1.

There is a risk of injury if the engine starts automatically in vehicles with a Start/Stop System.

- For vehicles with an activated Start/Stop System (recognized by a signal in the instrument cluster), the engine can be started automatically if needed.
- Make sure that the Start/Stop System is deactivated when working on the vehicle (turn off the ignition, turn on the ignition when necessary).
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting . sedby Volkswagen AG.



WARNING

Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.

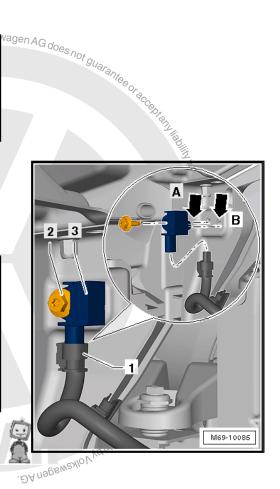
- Unlock and disconnect the connector -1- from the Passenger Side Front Airbag Crash Sensor - G284- -3-.
- Remove the bolt -2- (4.5 Nm) and the Passenger Side Front Airbag Crash Sensor - G284- -3-.

Installing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to *⇒ "1 Safety Precautions", page 1*
- Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example. Protected by copyright, Copyright



Install the Driver Front Airbag Crash Sensor - G283- -3-. The tab -arrow A- must fit into the hole -arrow B-.



Note

This ensures the Driver Front Airbag Crash Sensor - G283- will be installed correctly.

- Install the bolt -2- and tighten it to 4.5 Nm.
- Connect the connector -1- and lock it.



Note

- Make sure the connectors are installed all the way and engage audibly.
- Make sure the wires do not get caught.



WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

Connect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



Note

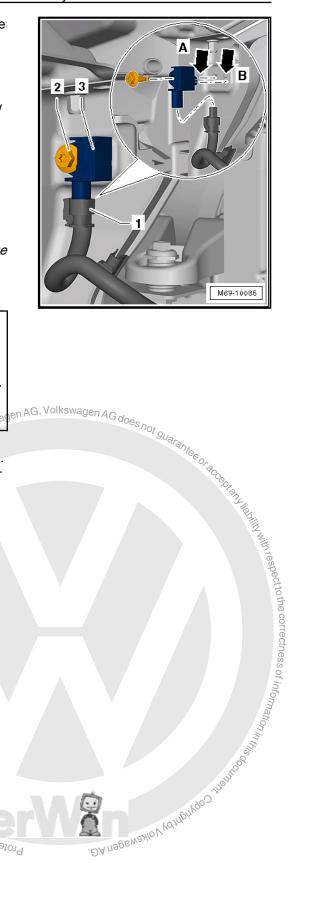
If the Airbag Indicator Lamp - K75- indicates a fault, check the Diagnostic Trouble Code (DTC) memory, erase it and check it again using the Vehicle Diagnostic Tester.

9.3 **Driver Thorax Airbag Crash Sensor -**G179-, Removing and Installing



Note

The Driver Thorax Airbag Crash Sensor - G179- is installed on the front door subframe. Protected by copyright, Copyright, g



Removing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to *⇒ "1 Safety Precautions", page 1* .
- Follow the safety precautions for front thorax airbag crash sensors (pressure sensors). Refer to ⇒ "1.6 Front Thorax Airbag Crash Sensors (Pressure Sensors) Safety Precautions", page 7

ccept and liability with respect to the correctness of information in this object.

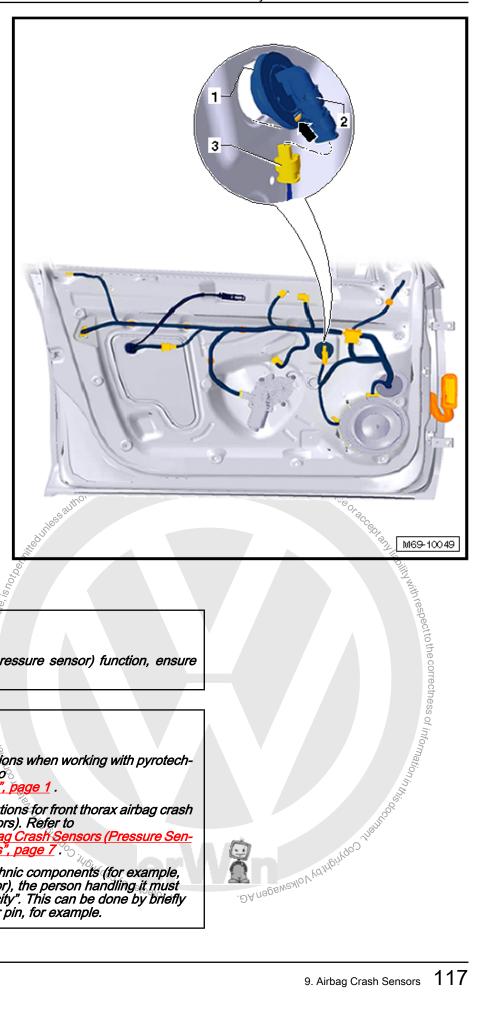
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Remove the front door trim panel. Refer to ⇒ "1.1 Driver Side Front Door Trim Panel, Removing and Installing", page 155.



WARNING

Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must discharge static electricity. This can be done by briefly touching the door striker pin, for example.

- Disconnect the wiring harness -3- from the Driver Thorax Airbag Crash Sensor - G179- -2-.
- Push the catch -arrow- upward with a screwdriver. Remove the bracket -1- with the crash sensor -2- from the subframe.



Installing



WARNING

For proper crash sensor (pressure sensor) function, ensure door does not leak.



WARNING

- ♦ Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1
- ♦ Follow the safety precautions for front thorax airbag crash sensors (pressure sensors). Refer to ⇒ "1.6 Front Thorax Airbag Crash Sensors (Pressure Sensors) Safety Precautions", page 7
- ◆ Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.



- Connect the connector -3- to the crash sensor -1- until it clicks into place.
- Push the connector lock to secure the connector.



Installation is performed in reverse order of removal, while noting the following:



Note

- Make sure the connectors are installed all the way and engage audibly.
- Make sure the wires do not get caught.



WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

Connect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



Note

If the Airbag Indicator Lamp - K75- indicates a fault, check the Diagnostic Trouble Code (DTC) memory, erase it and check it again using the Vehicle Diagnostic Tester.

9.4 Front Passenger Thorax Airbag Crash Sensor - G180-, Removing and Installing



Note

The Front Passenger Thorax Airbag Crash Sensor - G180- is installed on the front door subframe.



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to <u>"1 Safety Precautions", page 1</u> .
- Follow the safety precautions for front thorax airbag crash sensors (pressure sensors). Refer to ⇒ "1:6 Front Thorax Airbag Crash Sensors (Pressure Sensors) Safety Precautions", page 7

Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery, Battery, Disconnecting and Connecting

Remove the front door trim panel. Refer to ⇒ "1.2 Passenger Side Front Door Trim, Removing and Installing", page 158



Note

Rea Cra Drive \$ "9. Instal

Note

The Removing and installing the Front Passenger Thorax Airbag Crash Sensor - G180- is identical to removing and installing the Driver Thorax Airbag Crash Sensor - G179- . Refer to "9.3 Driver Thorax Airbag Crash Sensor G179, Removing and <u>Installing", page 115</u> .

Driver Side Rear Thorax Airbag Crash Sensor - G256-, Removing and Installing



эбемежи ЛацивилдоО. 428. The Driver Side Rear Thorax Airbag Crash Sensor - G256- is installed from the inside on the rear wheel housing.



Removing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to
 ⇒ "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr 27; Battery; Battery, Disconnecting and Connecting.
- Remove the bench seat. Refer to
 ⇒ "2.1 Rear Bench Seat, Removing and Installing",
 page 275 .
- Remove the side cushion. Refer to
 ⇒ "2.4 Side Padding with Thorax Airbag, Removing and Installing", page 280.
- Wheel housing trim with thorax airbag. Refer to

 ⇒ "4.10 Wheel Housing Trim, Removing and Installing, Vehicles with Thorax Airbag", page 213.

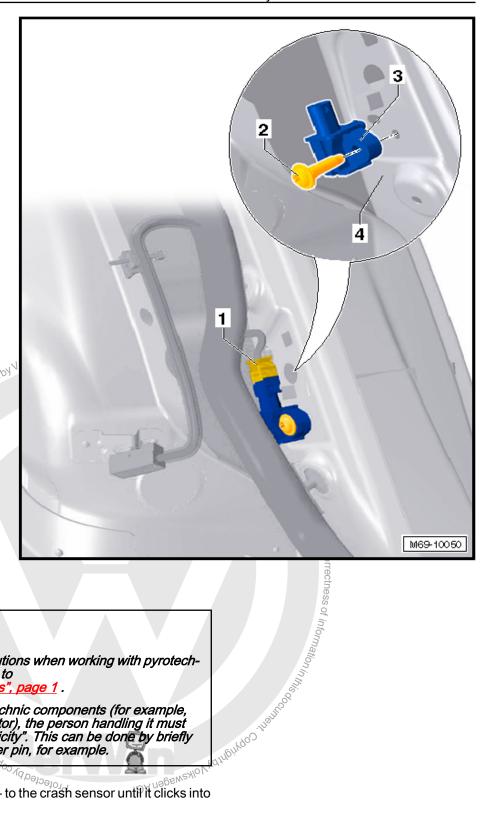


WARNING

Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.

- Disconnect the connector -1- from the crash sensor -3-.
- Remove the bolt -2- (9 Nm) and the crash sensor -3- from the body -4-.

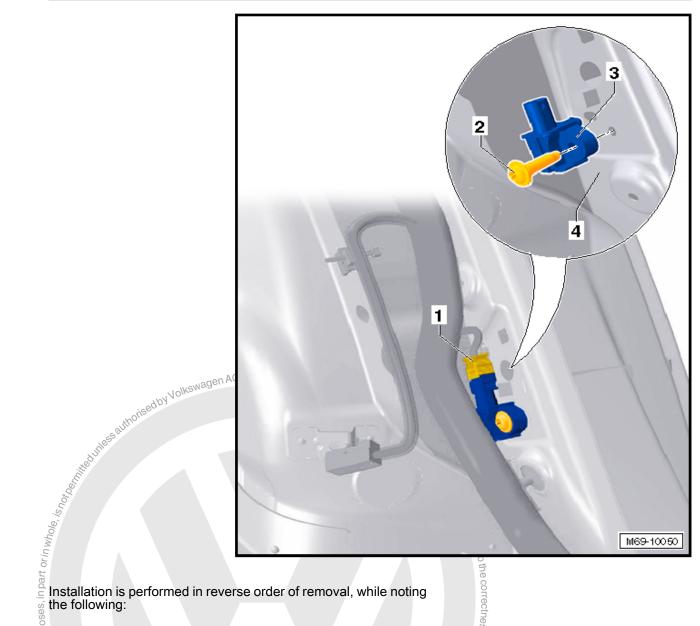






WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1
- ♦ Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Connect the connector -1- to the crash sensor until it clicks into place.
- Push the connector lock to secure the connector.



Installation is performed in reverse order of removal, while noting



Note

- Make sure the connectors are installed all the way and engage audibly.
- Make sure the wires do not get caught.



WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

Connect the battery ground cable with the ignition turned on. Refer to \Rightarrow Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting .



Note

If the Airbag Indicator Lamp - K75- indicates a fault, check the Diagnostic Trouble Code (DTC) memory, erase it and check it again using the Vehicle Diagnostic Tester.

9.6 Passenger Side Rear Thorax Airbag Crash Sensor - G257-, Removing and Installing



Note

The Passenger Side Rear Thorax Airbag Crash Sensor - G257is installed from the inside on the rear wheel housing.



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to
- Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Protected by Copyright, Cop. Battery, Disconnecting and Connecting.



Note

Removing and installing the Passenger Side Rear Thorax Airbag Crash Sensor - G257- is identical to removing and installing the Driver Side Rear Thorax Airbag Crash Sensor - G256- . Refer to *⇒ "9.5 Driver Side Rear Thorax Airbag Crash Sensor G256 , Removing and Installing", page 119* .



Belt Fastening Detection 1 Front Passenger Occupant Detection Sensor G128 , Read and Installing , page 124 10.2 Front Passenger Occupant Detection Sensor G128 , Read and Installing , page 124 10.1 Front Passenger Occupant Detection Sensor G128 , Read and Installing and Installing and Installing and Workshop equipment required 10.1 **Installing Sensor - G128 - , Removing and Installing 10.1 **Installing Sensor - G128 - , Removing and Installing 10.2 **Installing Sensor - G128 - , Removing Sen





- belts has been buckled.

Removing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to *⇒ "1 Safety Precautions", page 1* .
- Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Attach the -VAS6136- onto the -VAS6095A- .
- Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253.



- Secure the seat on the -VAS6136- .
- Remove the right trim panel on the seat. Refer to ⇒ "1.10 Right Seat Trim Panel, Removing and Installing", page

Vehicles without Seat Adjustment

Vehicles with Manual Seats

- without S.

 we the left trim pan.
 Refer to
 7 Left Seat Trim Panel withing and Installing", page 258.

 nove the front seat bracket. Refer to
 1.12 Front Seat Bracket and Release Lever, Re.
 talling", page 265.

 Jes with Manual Seats

 Lemove the left trim panel on the seat with manual height adjustment. Refer to
 9 "1.8 Left Seat Trim Panel with Manual Height Adjustment of Seat Bracket and the lever on the front seat. Refer to
 10 Front Seat Bracket and Release Lever, Removing and nage 265.

 Panove the bracket and the lever on the front seat. Refer to
 10 Front Seat Bracket and Release Lever, Removing and nage 265.

 Panove the bracket and Release Lever, Removing and nage 265.

 Panove the bracket and Release Lever, Removing and nage 265.

 Panove the Bracket and Release Lever, Removing and nage 265.

 Panove the Bracket and Release Lever, Removing and nage 265.

 Panove the Bracket and Release Lever, Removing and nage 265.

 Panove the Bracket and Release Lever, Removing and nage 265.

 Panove the Bracket and Release Lever, Removing and nage 265.

 Panove the Bracket and Release Lever, Removing and nage 265. Remove the left trim panel on the seat with manual height ad-

Vehicles with Power Seats

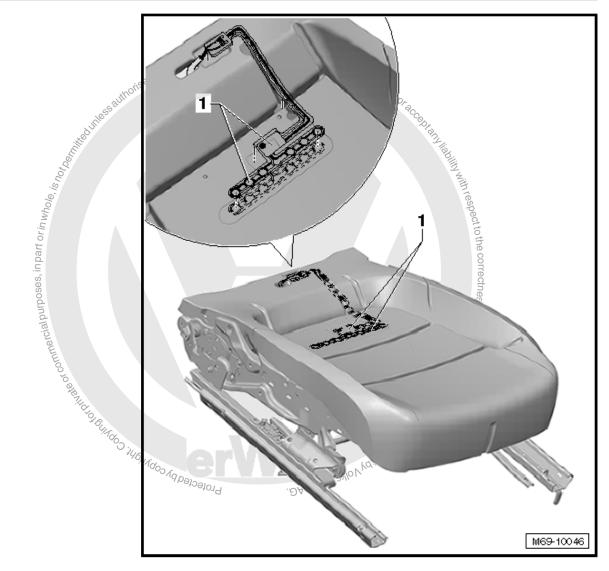
All Vehicles

- Remove the front seat backrest. Refer to ⇒ "1.15 Backrest, Removing and Installing", page 269.
- DA Nagen AV Olkswagen AG Nathrough Joss Remove the cover and the cushion from the front seat. Refer
 - ⇒ "1.1 Seat Pan Cover and Padding, Removing and Installing", page 286.



WARNING

The Front Passenger Occupant Detection Sensor - G128- -1is glued to the padding. It is not possible to remove and install separately. The sensor must be replaced with the padding.



Installing



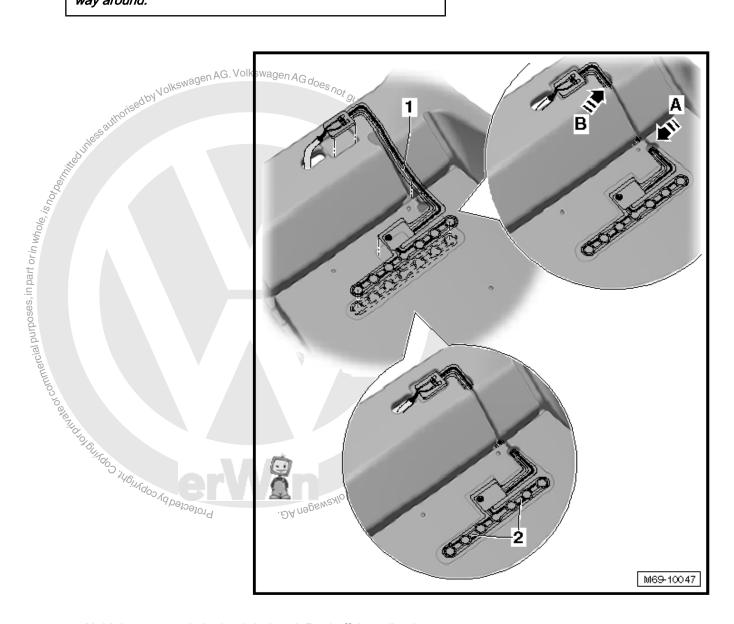
WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Push the wiring harness -1- into the rear channel.
- Push the wiring harness -arrows A and B- into the opening in the cushion.
- Push the sensor -2- into the recess in the foam.

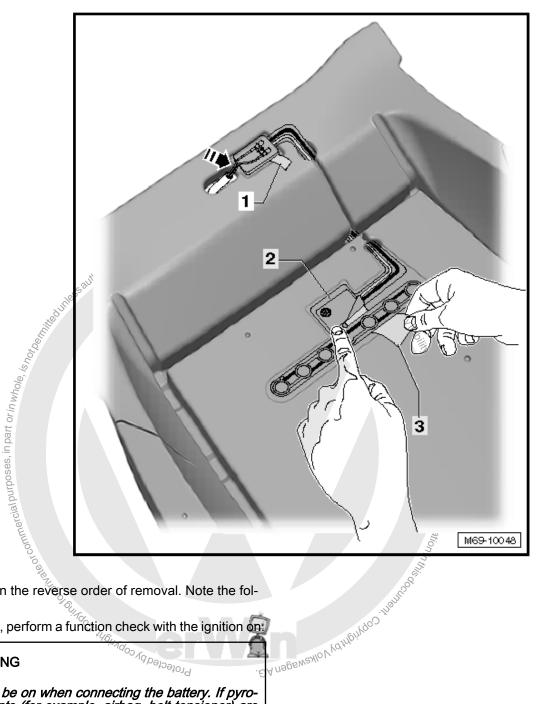


Caution

Make sure the space around the sensor -2- is the same all the way around.



- Hold the sensor -2- in the right hand. Peel off the adhesive strip -3- and tape the sensor into the foam.
- Peel off the adhesive strip -1- and tape the wiring harness into the foam.
- Push the back of the wiring harness into the opening -arrow-.
- Connect the wiring harness to the vehicle electrical system.



Continue to install in the reverse order of removal. Note the following:

After installation, perform a function check with the ignition on:

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WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

- Connect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Front Passenger Occupant Detection 10.2 Sensor - G128-, Removing and Installing, from MY 2012

Special tools and workshop equipment required

♦ Pry Lever - 80-200-

- Engine/Transmission Holder Seat Repair Fixture VAS6136-
- Engine and Gearbox Bracket VAS6095A-



Note

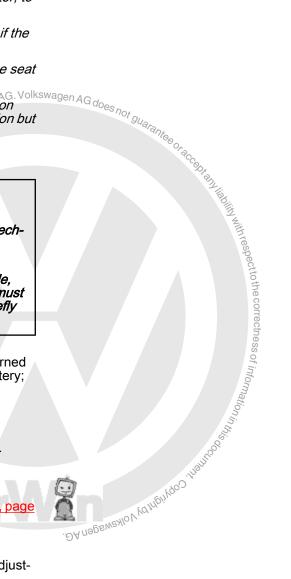
- The Front Passenger Occupant Detection Sensor G128- is only installed in the front passenger seat.
- The Front Passenger Occupant Detection Sensor G128does not have any influence on deploying the front passenger airbag during a crash.
- The Front Passenger Occupant Detection Sensor G128- reminds the front passenger via a symbol in the instrument cluster as well as a warning tone in the instrument cluster, to buckle up.
- On the front passenger side, a sensor is able to detect if the seat is occupied and if the seat belt has been buckled.
- On the driver side, the sensor is only able to detect if the seat belts has been buckled.
- From MY 2012, the Front Passenger Occupant Detection Sensor - G128- is no longer glued to the front seat cushion but rather it is clipped to the seat frame.

Removing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting
- Attach the -VAS6136- onto the -VAS6095A- .
- Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253.
- Secure the seat on the -VAS61362
- Remove the right trim panel on the seat. Refer to ⇒ "1.10 Right Seat Trim Panel, Removing and Installing", page 263 Protectedby



Vehicles without Seat Adjustment

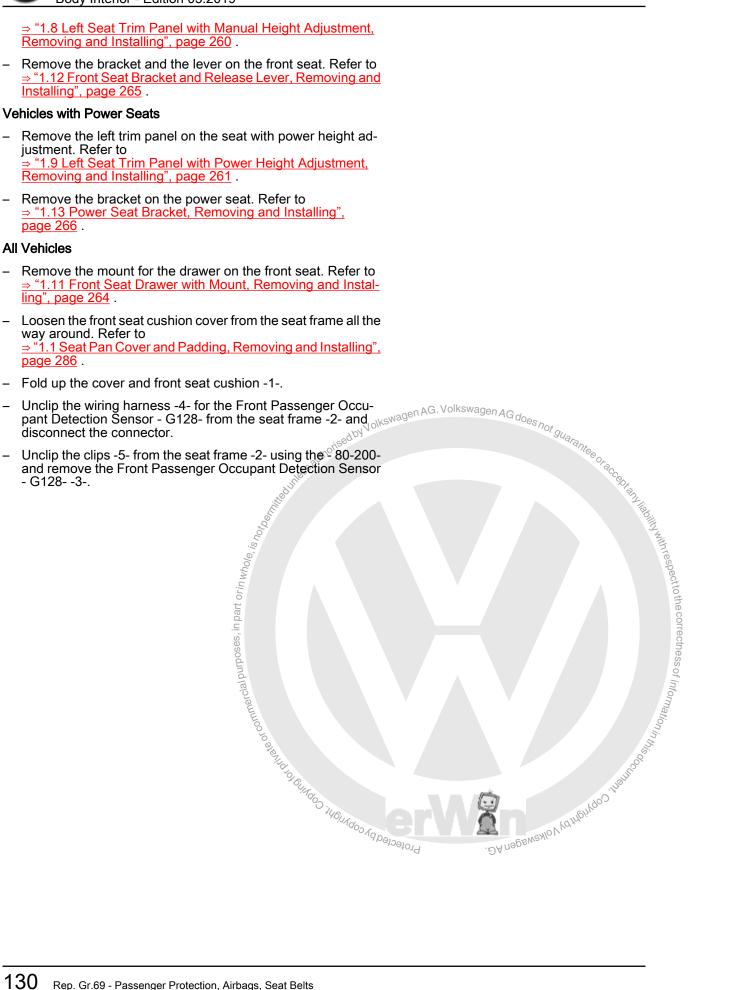
- Remove the left trim panel on the seat without height adjustment. Refer to ⇒ "1.7 Left Seat Trim Panel without Height Adjustment, Removing and Installing", page 258.
- Remove the front seat bracket. Refer to ⇒ "1.12 Front Seat Bracket and Release Lever, Removing and Installing", page 265.

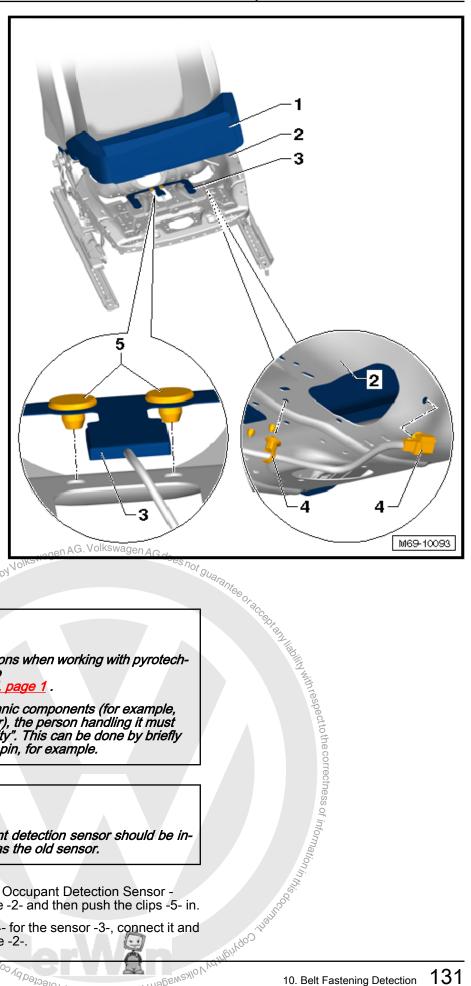
Vehicles with Manual Seats

Remove the left trim panel on the seat with manual height adjustment. Refer to



- ⇒ "1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing", page 260.





Installing



WARNING

- ♦ Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1.
- ◆ Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.



Caution

The new passenger occupant detection sensor should be installed in the same location as the old sensor.

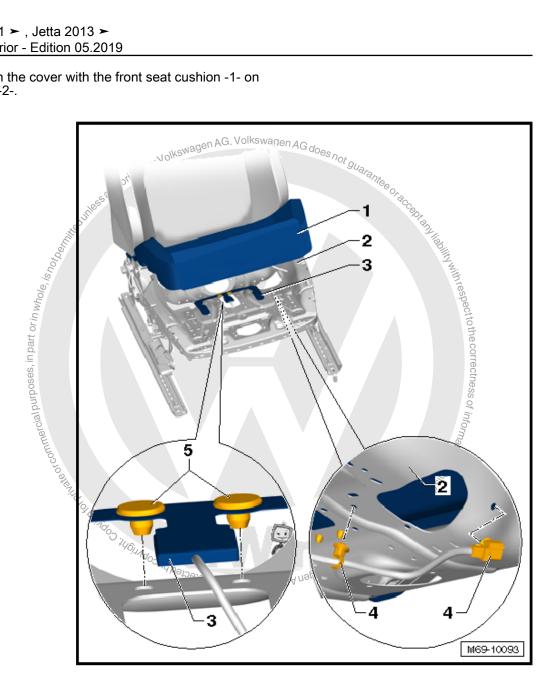
- Place the Front Passenger Occupant Detection Sensor -G128- -3- on the seat frame -2- and then push the clips -5- in.
- Install the wiring harness -4- for the sensor -3-, connect it and then clip it to the seat frame -2-.

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Nolkswagen AG.



Mount and align the cover with the front seat cushion -1- on the seat frame -2-.



Continue to install in the reverse order of removal. Note the following:

After installation, perform a function check with the ignition on.



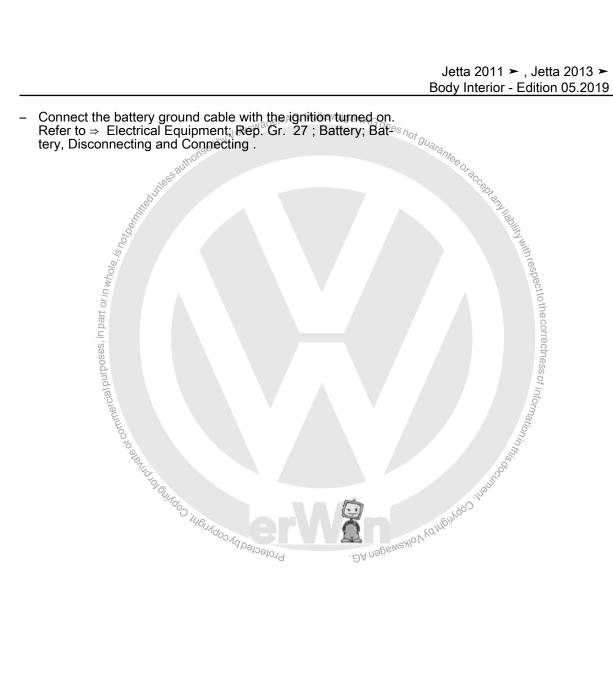
Note

- Make sure the connectors are installed all the way and engage
- Check all the fasteners for damage and replace if necessary.



WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they must not be anyone in the vehicle interior when connecting the better. interior when connecting the battery.



11 Passive Occupant Detection System

- ⇒ "11.1 Passenger Occupant Detection System Safety Precautions", page 134
- ⇒ "11.2 After an Accident with Belt Tensioner and/or Airbag Deployment", page 134
- ⇒ "11.3 Overview Front Seat Basic ", page 135
- ⇒ "11.4 Overview Front Seat Comfort ", page 137
- ⇒ "11.5 Overview Front Seat Sport ", page 139
- ⇒ "11.6 Passenger Occupant Detection System Pressure Sensor, Removing and Installing", page 140
- J706, Removing and Installing", page 150
- ⇒ "11.8 Passenger Occupant Detection System Control Module J706 Bracket, Removing and Installing", page 152

11.1

11.2

- Vehicle Diagnostic Tester.

11.3 Overview - Front Seat "Basic"



Note

- The passenger occupant detection system pressure sensor automatically deactivates the front passenger airbag when the front passenger seat is not occupied.
- This equipment is only installed on vehicles released in the
- There are different versions of the front seat ("Basic", "Comfort", "Sport") and different versions of the sensor.

1 - Wiring Harness

- Wiring harness with passenger occupant detection system sensor connector
- Pay attention to the exact wire routing. Refer to "11.6 Passenger Occupant Detection System Pressure Sensor, Removing and Instal, ling", page 140

2 - Front Seat Cushion

- Must not be disconnected from the passenger occupant detection system pressure sensor
- ☐ The components are separated from each other; replace both components
- It is not necessary to replace the Passenger Occupant Detection System Control Module ≨Ĵ706- .

3 - Positioning Aids

- Positioning aids on the front seat cushion padding
- ☐ The positioning aids must line up with the positioning aids on the Passenger Occupant Detection System Pressure Sensor - G452-, -item 4-

⇒ Item 4 (page 135) before bonding.

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4 - Positioning Aids

- Positioning aids on Passenger Occupant Detection System Pressure Sensor G452-
- Before applying the glue, make sure the positioning aids line up with the positioning aids on the front seat cushion. Refer to -item 4- ⇒ Item 3 (page 135).

5 - Passenger Occupant Detection System Pressure Sensor

- ☐ Must not be separated from the front seat cushion cover
- ☐ The components are separated from each other; replace both components

	Replace the heating element if the vehicle has seat heating.
	It is not necessary to replace the Passenger Occupant Detection System Control Module - J706
	Removing and Installing. Refer to
	⇒ "11.6 Passenger Occupant Detection System Pressure Sensor, Removing and Installing", page 140.
6 - Adhesive Surfaces	
	Adhesion surface for gluing to the front seat cushion cover
7 - Bolt	
	1.5 Nm
8 - B	racket
	Passenger Occupant Detection System Control Module - J706- bracket
	Clipped to the seat frame
	Removing and Installing. Refer to
	⇒ "11.8 Passenger Occupant Detection System Control Module J706 Bracket, Removing and Installing" page 152.
a - P	assenger Occupant Detection System Control Module - J706-
	Diagnostic-capable
	If the Passenger Occupant Detection System Control Module - J706- must be replaced, it is not necessary
	to replace the passenger occupant detection system pressure sensor.
	Removing and Installing. Refer to = "11.7" Passenger Occupant Detection System Control Module J706, Removing and Installing", page
	150 .
10 - 0	Connector
	150 . Connector Sensor connector for the passenger occupant detection system on the Passenger Occupant Detection System Control Module - J706-
	Pay attention to the exact wire routing. Refer to ⇒ "11.6 Passenger Occupant Detection System Pressure Sensor, Removing and Installing",
	⇒ 11.6 Passenger Occupant Detection System Pressure Sensor, Removing and Installing , page 140.
11 - (Connector
· · ·	Voltage supply connector for Passenger Occupant Detection System Control Module - J706-
	Connector
13 - Front Seat Wiring Harness	
	Coupling location of the passenger occupant detection system to the vehicle electrical system Front Seat Wiring Harness Front Seat Wiring Harness
	TOVOD VOTO VOTO VOTO VOTO VOTO VOTO VOTO
	7

11.4 Overview - Front Seat "Comfort"

1 - Wiring Harness

- Wiring harness with passenger occupant detection system sensor connector
- ☐ Pay attention to the exact wire routing. Refer to ⇒ "11.6 Passenger Occupant Detection System Pressure Sensor, Removing and Installing", page 140

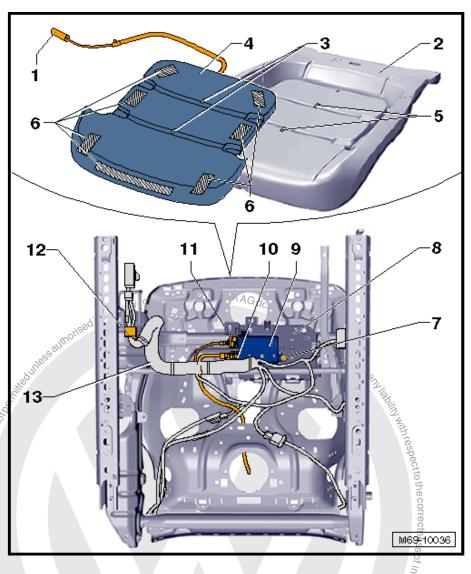
2 - Front Seat Cushion

- Must not be disconnected from the passenger occupant detection system pressure sensor
- ☐ The components are separated from each other; replace both components
- ☐ It is not necessary to replace the Passenger Occupant Detection System Control Module - J706- .

3 - Positioning Aids

- Positioning aids on the passenger occupant detection system pressure sensor
- Before applying the glue, make sure the positioning aids line up with the positioning aids on the front seat cushion. Refer to

⇒ Item 5 (page 137) =



4 - Passenger Occupant Detection System Pressure Sensor

- ☐ Must not be separated from the front seat cushion cover
- ☐ The components are separated from each other; replace both components
- □ Replace the heating element if the vehicle has seat heating.
- ☐ It is not necessary to replace the Passenger Occupant Detection System Control Module J706- .
- ☐ Removing and Installing. Refer to ⇒ "11.6 Passenger Occupant Detection System Pre Removing and Installing", Protected by cop .DA Nolkewsgen AG. page 140.

5 - Positioning Aids

- Positioning aids on the front seat cushion padding
- The positioning aids must line up with the positioning aids on the passenger occupant detection system sensor before bonding ⇒ Item 3 (page 137).

6 - Adhesive Surfaces

- ☐ Adhesion surface for gluing to the front seat cushion cover
- Remove the protective film just before applying the glue.

7 - Bolt

□ 1.5 Nm



☐ Screw for Passenger Occupant Detection System Control Module - J706-

8 - Bracket

- ☐ Passenger Occupant Detection System Control Module J706- bracket
- Clipped to the seat frame
- □ Removing and Installing. Refer to \Rightarrow "11.8 Passenger Occupant Detection System Control Module J706 Bracket, Removing and Installing", page 152

9 - Passenger Occupant Detection System Control Module - J706-

- □ Diagnostic-capable
- ☐ If the Passenger Occupant Detection System Control Module J706- must be replaced, it is not necessary to replace the Passenger Occupant Detection System Pressure Sensor - G452-.
- □ Removing and Installing. Refer to ⇒ "11.7 Passenger Occupant Detection System Control Module J706 , Removing and Installing", page 150 .

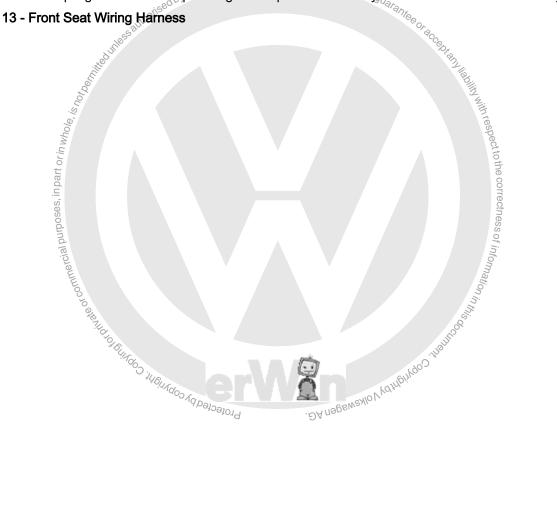
10 - Connector

- ☐ Sensor connector for the passenger occupant detection system on the Passenger Occupant Detection System Control Module - J706-
- Pay attention to the exact wire routing. Refer to ⇒ "11.6 Passenger Occupant Detection System Pressure Sensor, Removing and Installing", page 140.

11 - Connector

Voltage supply connector for Passenger Occupant Detection System Control Module - J706-

swagen AG. Volkswagen AG do Coupling location of the passenger occupant detection system to the vehicle electrical system



11.5 Overview - Front Seat "Sport"

1 - Wiring Harness

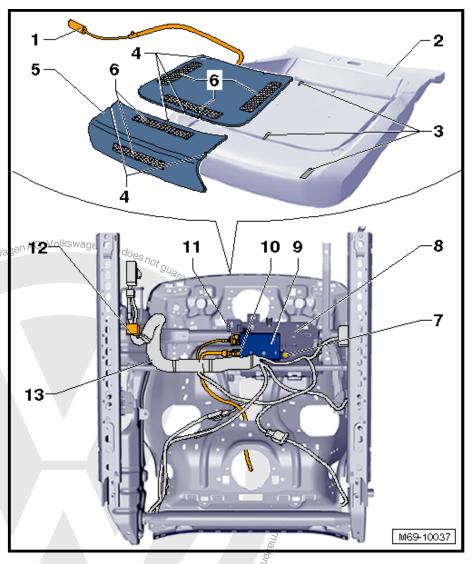
- Wiring harness with passenger occupant detection system sensor connector
- Pay attention to the exact wire routing. Refer to "11.6 Passenger Occupant Detection System Pressure Sensor, Removing and Installing", page 140

2 - Front Seat Cushion

- Must not be disconnected from the passenger occupant detection system pressure sensor, key
- The components are separated from each other; replace both components
- ☐ It is not necessary to replace the Passenger Occupant Detection System Control Module - J706- .

3 - Positioning Aids

- Positioning aids on the front seat cushion padding
- Before applying the glue, make sure the positioning aids line up with the positioning aids on the front seat cushion ⇒ Item 4 (page 139).



4 - Positioning Aids

- Positioning aids on the passenger occupant detection system pressure sensor
- Before applying the glue, make sure the positioning aids line up with the positioning aids on the front seat cushion. Refer to ⇒ Item 3 (page 139).

5 - Passenger Occupant Detection System Pressure Sensor

- Must not be separated from the front seat cushion cover
- ☐ The components are separated from each other; replace both components
- ☐ Replace the heating element if the vehicle has seat heating.
- ☐ It is not necessary to replace the Passenger Occupant Detection System Control Module J706-.
- The front sensor must be disconnected before installing on the perforation. There may not be any sensors in this area.
- Removing and Installing. Refer to ⇒ "11.6 Passenger Occupant Detection System Pressure Sensor, Removing and Installing", page 140

6 - Adhesive Surfaces

- □ Adhesion surface for gluing to the front seat cushion cover
- ☐ Remove the protective film just before applying the glue.

7 - Bolt

□ 1.5 Nm

□ Screw for Passenger Occupant Detection System Control Module - J706-8 - Bracket ☐ Passenger Occupant Detection System Control Module - J706- bracket Clipped to the seat frame ☐ Removing and Installing. Refer to "11.8 Passenger Occupant Detection System Control Module J706 Bracket, Removing and Installing", page 152 9 - Passenger Occupant Detection System Control Module - J706-□ Diagnostic-capable ☐ If the Passenger Occupant Detection System Control Module - J706- must be replaced, it is not necessary to replace the passenger occupant detection system pressure sensor. Removing and Installing. Refer to ⇒ "11.7 Passenger Occupant Detection System Control Module J706 , Removing and Installing", page 150 . 10 - Connector AS6136
**Resource of the service o Sensor connector for the passenger occupant detection system on the Passenger Occupant Detection System Control Module - J706-□ Pay attention to the exact wire routing. Refer to ⇒ "11.6 Passenger Occupant Detection System Pressure Sensor, Removing and Installing", page 140. 11 - Connector Voltage supply connector for Passenger Occupant Detection System Control Module - J706-Coupling location of the passenger occupant detection system to the vehicle electrical system. 13 - Front Seat Wiring Harness 11.6 Passenger Occupant Detection System Pressure Sensor, Removing and Installing Special tools and workshop equipment required Engine/Transmission Holder - Seat Repair Fixture - VAS6136-Note The passenger occupant detection system pressure sensor and the front seat cushion can only be replaced as one unit. The Passenger Occupant Detection System Control Module -J706- may not be replaced separately. Removing and installing the passenger occupant detection system pressure sensor is described for the "Comfort" front seat with manual seat adjustment. Removing and installing on the other versions of the front seat Protected by Copyright, Copyright, Copyright, Sand Copyright, is identical.

Removing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to *⇒ "1 Safety Precautions", page 1*
- Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". For example, this can be done by briefly touching the door striker.
- Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253
- Secure the seat on the -VAS6136- .
- Remove the right trim panel on the seat. Refer to ⇒ "1.10 Right Seat Trim Panel, Removing and Installing", page

Vehicles with Manual Seats

- Remove the left trim panel on the seat:
- Left Seat Trim Panel without Height Adjustment. Refer to ⇒ "1.7 Left Seat Trim Panel without Height Adjustment, Removing and Installing", page 258.
- ◆ Left Seat Trim Panel with Manual Height Adjustment. Refer to ⇒ "1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing", page 260.
- Remove the bracket and the lever on the front seat. Refer to *1.12 Front Seat Bracket and Release Lever, Removing and Installing", page 265

Vehicles with Power Seats

- Remove the left seat trim panel with power height adjustment. Refer to "1.9 Left Seat Trim Panel with Power Height Adjustment, Removing and Installing", page 261
- Remove the bracket on the power seat. Refer to ⇒ "1.13 Power Seat Bracket, Removing and Installing", page 266.

All Vehicles

- If equipped, remove the front seat drawer mount. Refer to 1.11 Front Seat Drawer with Mount, Removing and Installing", page 264
- Remove the front seat backrest -1-. Refer to ⇒ "1.15 Backrest, Removing and Installing", page 269.
- Remove the cover from the front seat cushion padding (do not remove the front seat cushion). Refer to ⇒ "1.1 Seat Pan Cover and Padding, Removing and Installing", <u>page 286</u> .
- if equipped, disconnect the connector for the front seat cushion heating element.
- Disconnect the connector -4- of the pressure sensor -2- from Disconnect the confidence in the process of the Passenger Occupant Detection System Control Module Spand J706- -3-.
- Loosen the wiring harness -5- for the pressure sensor off the seat frame.





Remove the seat cushion with the sensor for the passenger occupant detection system -2- from the seat frame.



Note

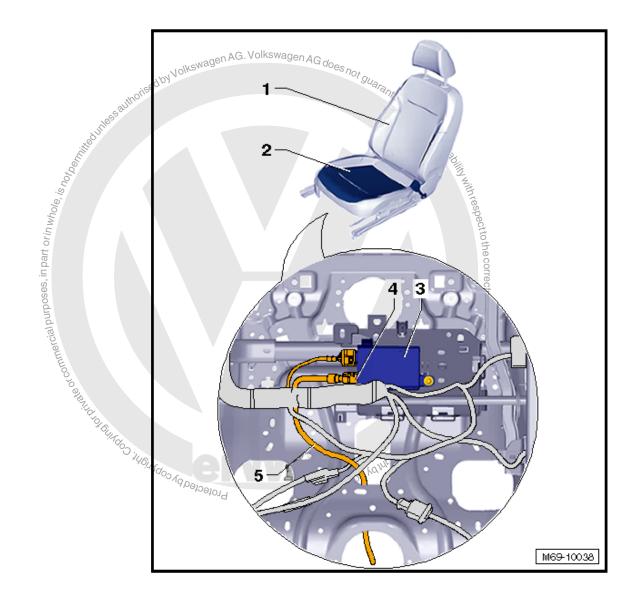
The components pictured can vary in form and appearance from the present vehicle. However the assembly and functionality are identical.



WARNING

The passenger occupant detection system pressure sensor is permanently glued to the seat cushion. It is not possible to remove and install separately. The passenger occupant detection system pressure sensor must be replaced with the seat cushion.

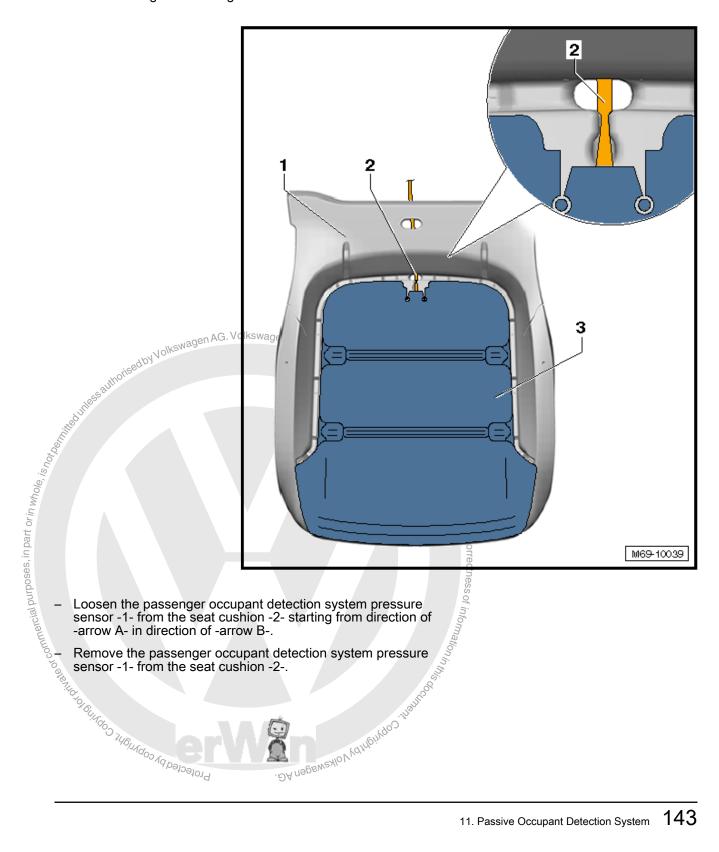
If there is a seat heating element, then replace this as well. Removing and installing it separately is not permitted.





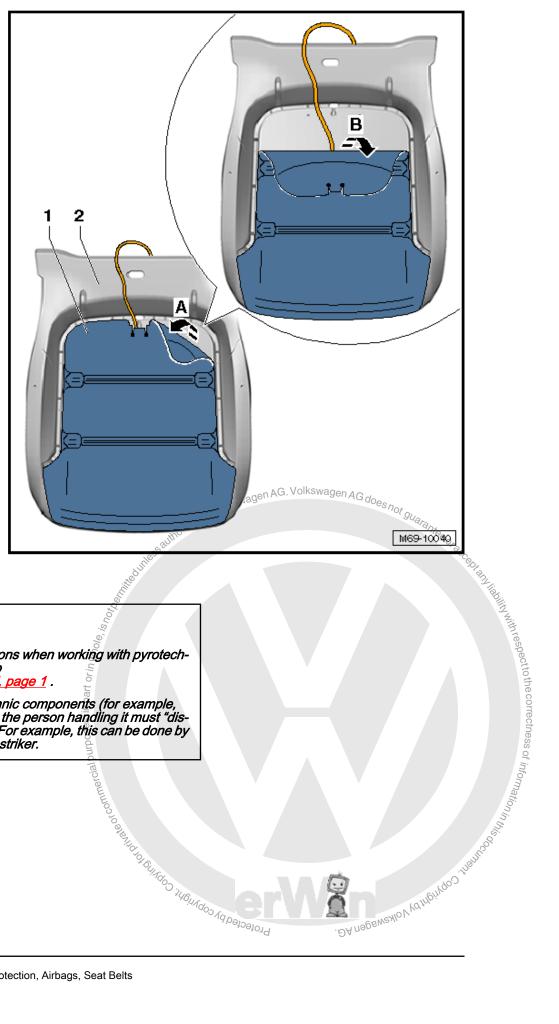
Note

- To prevent any removed components from being installed again by mistake, the components should be separated from each other and disposed.
- The following work applies to these components.
- Remove the wiring harness -2- for the sensor -3- from the channel and guide it through the seat cushion -1-.



- Loosen the passenger occupant detection system pressure sensor -1- from the seat cushion -2- starting from direction of -arrow A- in direction of -arrow B-.
- Remove the passenger occupant detection system pressure sensor -1- from the seat cushion -2-.





Installing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, connecting a connector), the person handling it must "discharge static electricity". For example, this can be done by briefly touching the door striker. Protected by Solving to British of Philips of Commercial Puring the Protection of Paring Commercial Puring the Protection of Paring Commercial Puring Commer



Note

Route the passenger occupant detection system sensor so that it has no bends.

authorised by Volkswage

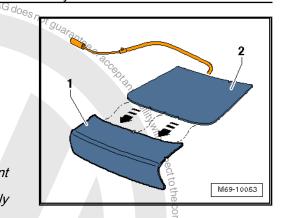
- ◆ After replacing the passenger occupant detection system, a passenger classification system basic setting must be performed with the Vehicle Diagnostic Tester in "Guided Fault Finding". Refer to ⇒ "3.2 Components, Adapting", page 84
- If the vehicle has heated seats, make sure the heating element is always installed under the passenger occupant detection system sensor. The pressure sensor will not function correctly

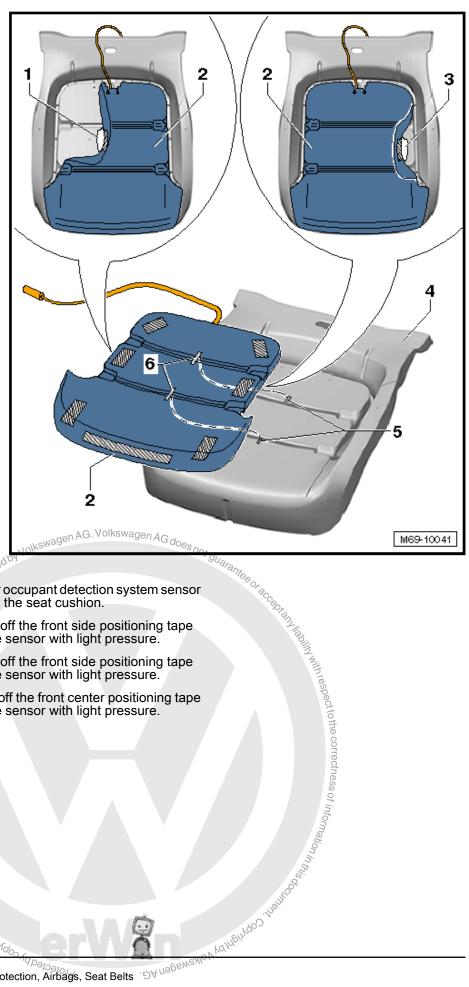


The basic setting must be performed with the seat empty.

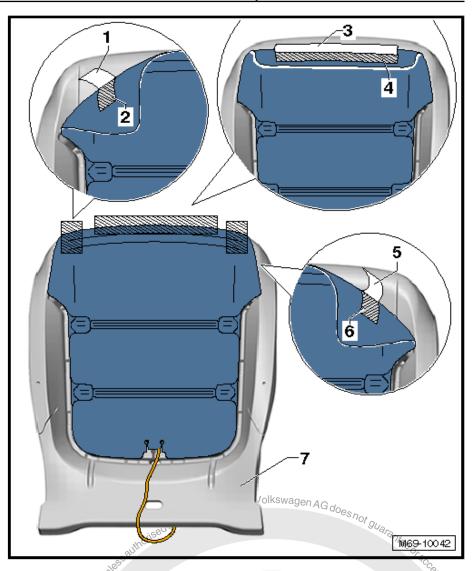
- Position the passenger occupant detection system 2-0 on the seat cushion -4-.

 Position the passenger occupant detection system sensor -2- on the seat cushion -4- so that the positioning aids -5- and 5- and 5- and 3- an

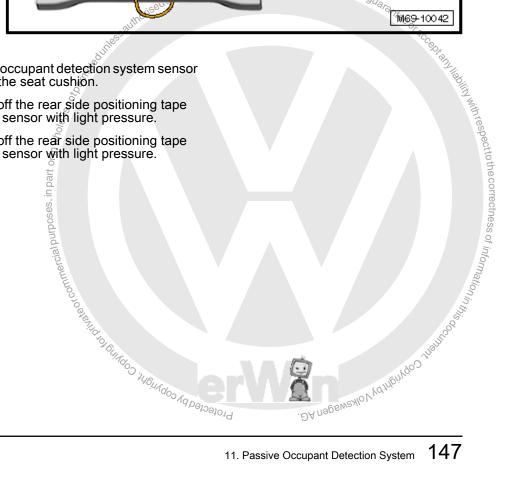


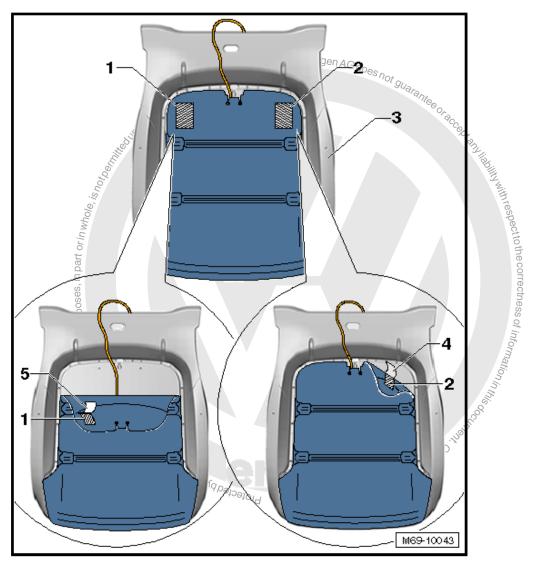


- Lightly press the passenger occupant detection system sensor in the "front" and align it on the seat cushion.
- Peel the protective film -1- off the front side positioning tape -2- and attach the pressure sensor with light pressure.
- Peel the protective film -5- off the front side positioning tape -6- and attach the pressure sensor with light pressure.
- Peel the protective film -3- off the front center positioning tape rnger Prote -4- and attach the pressure sensor with light pressure.



- Lightly press the passenger occupant detection system sensor in the "rear" and align it on the seat cushion.
- Peel the protective film -5- off the rear side positioning tape -1- and attach the pressure sensor with light pressure.
- Peel the protective film -4- off the rear side positioning tape -2- and attach the pressure sensor with light pressure.



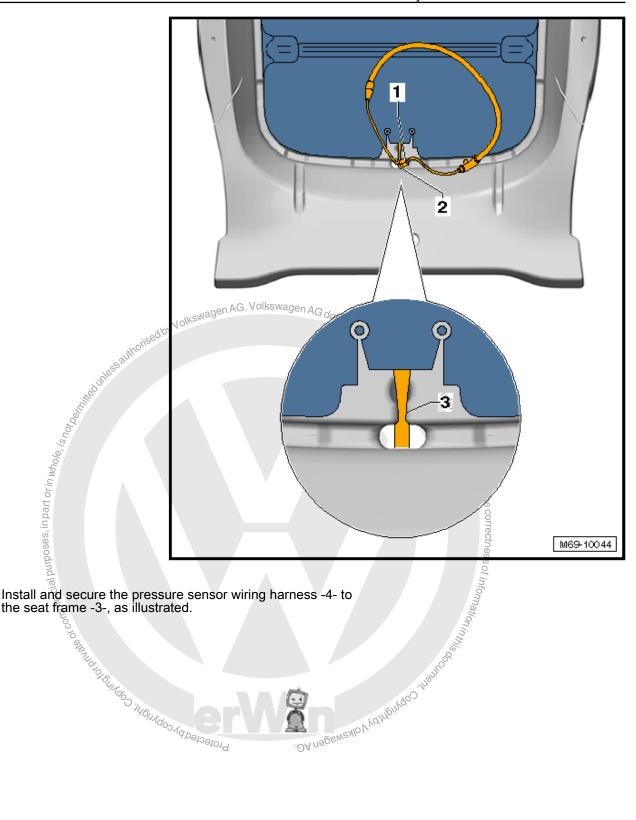


Guide the wiring harness -1- through the opening in the seat cushion -2- and secure it to the channel -3-.



Note

Make sure that the entire wiring harness -1- is guided straight through the seat cushion -2- and that there are no wires inside the channel -3-.



Install and secure the pressure sensor wiring harness -4- to the seat frame -3-, as illustrated. an. Wolly do State of Deliver of the state o



Connect the connector -1- on the willing harness -4- to the snot System Control Module -J706- -2-.



Note

Make sure the connectors are installed all the way and engage audibly.

The rest of the assembly is performed in reverse order.



WARNING

Note

If the Airbag Indicator Lamp - K75- indicates a fault, sheck the Diagnostic Trouble Code (DTC) memory, erase it and check it again using the Vehicle Diagnostic Tester |

11.7 Passenger Occupant Detectic Control Module - J706- Installing

ecial tools and worker

Torque Scr.



- Engine/Transmission Holder Seat Repair Fixture VAS6136-
- Engine and Gearbox Bracket VAS6095A-



WARNING

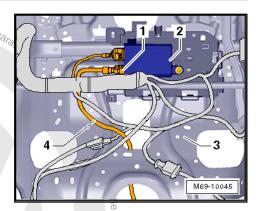
- Follow all safety precautions when working with pyrotechnic components. Refer to
- Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". For example, this can be done by briefly touching the door striker.

Removing

Attach the -VAS6136- onto the -VAS6095A- .

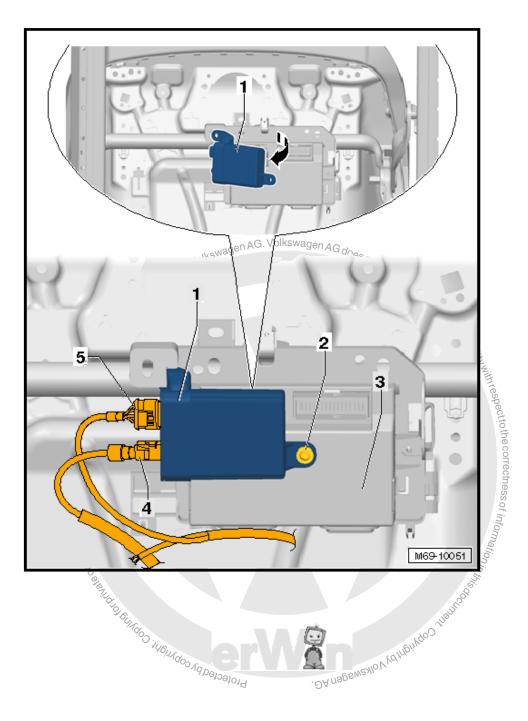
Vehicles with Seat Height Adjustment

Bring seat to the uppermost position.



All Vehicles

- Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253.
- Secure the seat on the -VAS6136- .
- Disconnect the connectors -4- and -5- from the Passenger Occupant Detection System Control Module J706- -1-.
- Remove the screw -2- (1.5 Nm).
- Remove the Passenger Occupant Detection System Control Module J706- -1- from the bracket -3- in direction of -arrow-.





Installing



WARNING

- ◆ Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1.
- Before handling pyrotechnic components (for example, connecting a connector), the person handling it must "discharge static electricity". For example, this can be done by briefly touching the door striker.

Install in reverse order of removal and note the following:



Note

- Make sure the connectors are installed all the way and engage audibly.
- ♦ It is necessary to perform a basic setting/coding in "Guided Fault Finding" using the Vehicle Diagnostic Tester if the Passenger Occupant Detection System Control Module - J706was replaced. Refer to ⇒ "3.2 Components, Adapting", page 84.



WARNING adby Volkswag

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

G does not guare

 Connect the battery ground cable with the ignition switched on Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



Note

If the Airbag Indicator Lamp - K75- indicates a fault, check the Diagnostic Trouble Code (DTC) memory, erase it and check it again using the Vehicle Diagnostic Tester.

11.8 Passenger Occupant Detection System Control Module - J706- Bracket, Removing and Installing

Special tools and workshop equipment required

- ◆ Torque Screwdriver VAG1624-
- Engine/Transmission Holder Seat Repair Fixture VAS6136-
- ◆ Engine and Gearbox Bracket VAS6095A-

Removing

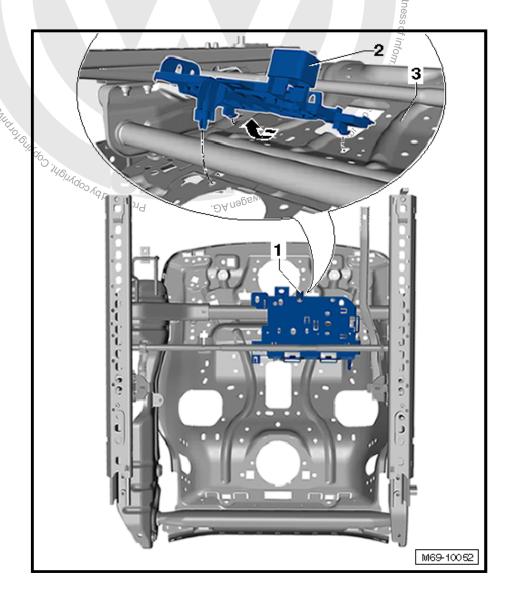
Attach the -VAS6136- onto the -VAS6095A- .

Vehicles with Seat Height Adjustment

Bring seat to the uppermost position.

All Vehicles

- Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253.
- Secure the seat on the -VAS6136- .
- Remove the Passenger Occupant Detection System Control Module J706- . Refer to ⇒ "11.7 Passenger Occupant Detection System Control Module J706 , Removing and Installing", page 150 .
- Loosen the clips 21-.
- Remove the bracket -2- from the seat frame -3- in direction of -arrow-.



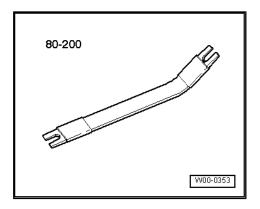
Installing

- Install in reverse order of removal.

12 Special Tools

Special tools and workshop equipment required

♦ Pry Lever - 80-200-



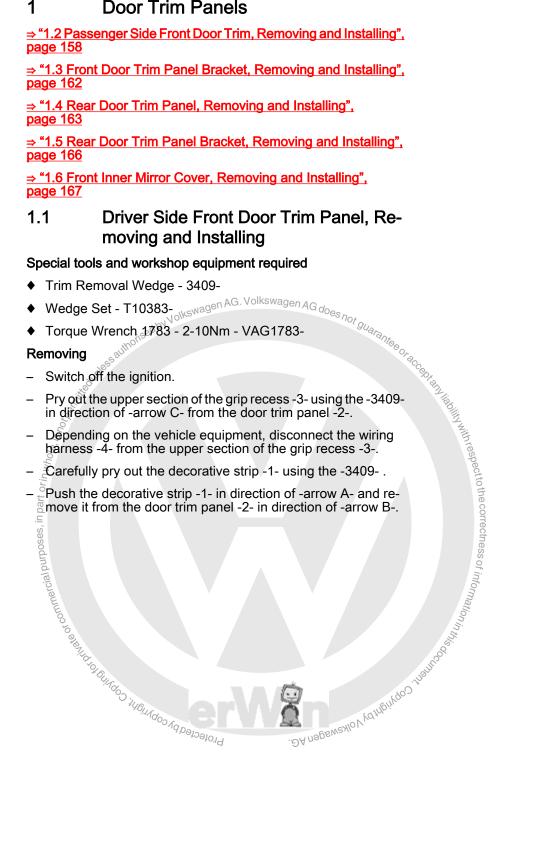


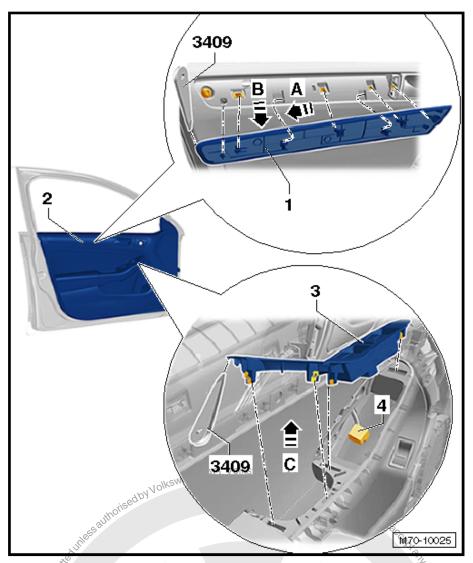
Interior Trim 70 –

Door Trim Panels

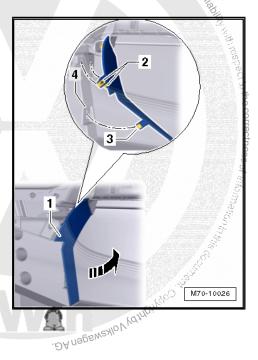
- ⇒ "1.2 Passenger Side Front Door Trim, Removing and Installing",
- page 162

Special tools and workshop equipment required





Pry the lower section of the grip recess -1- out of the retainers -2 and 3- in the door trim panel -4 in the direction of the -arrow- using the -3409- .

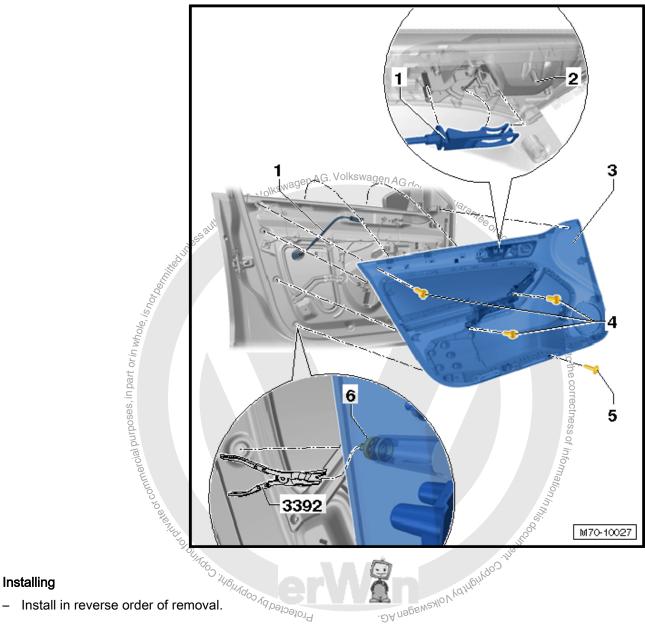


- Remove the bolts -4- near the grip recess and the upper door trim panel (4 Nm).
- Remove the bolt -5- (2 Nm).

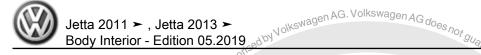
- Loosen the clips -6- on the bottom of the door trim panel -3using -T10383-.
- Loosen the clips -6- on the side of the door trim panel -3- using -T10383- .
- Remove the door trim panel -3- vertically from the window shaft seal.
- Disconnect the cable -1- from the interior door mechanism
- Depending on the vehicle equipment level, disconnect the connectors from the door trim panel -3-.

Vehicles with Manual Mirror Adjustment:

Remove the exterior mirror adjusting unit from the door trim panel mount -3-.



Installing





Note

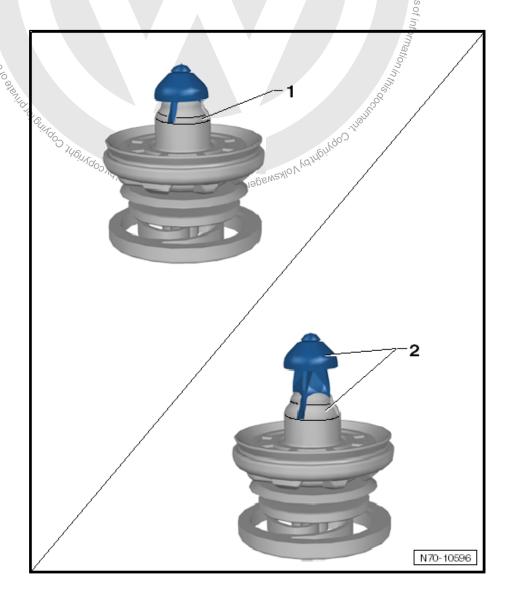
Check all the fasteners for damage and replace if necessary.



Caution

Before installing the door trim panel, make sure that the locking mechanism of all clip connections are in -position 1-.

It is not possible to install the door trim panel correctly if the clips are in the -2 position-.



Passenger Side Front Door Trim, Re-1.2 moving and Installing

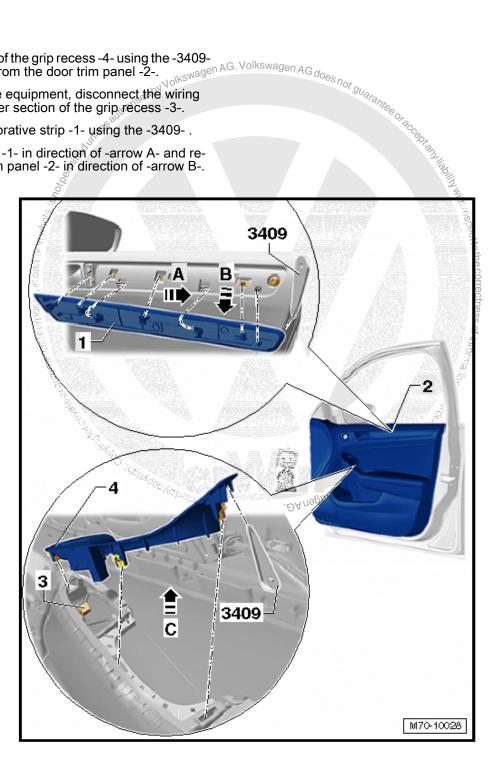
Special tools and workshop equipment required

- Trim Removal Wedge 3409-
- Wedge Set T10383-

♦ Torque Wrench 1783 - 2-10Nm - VAG1783-

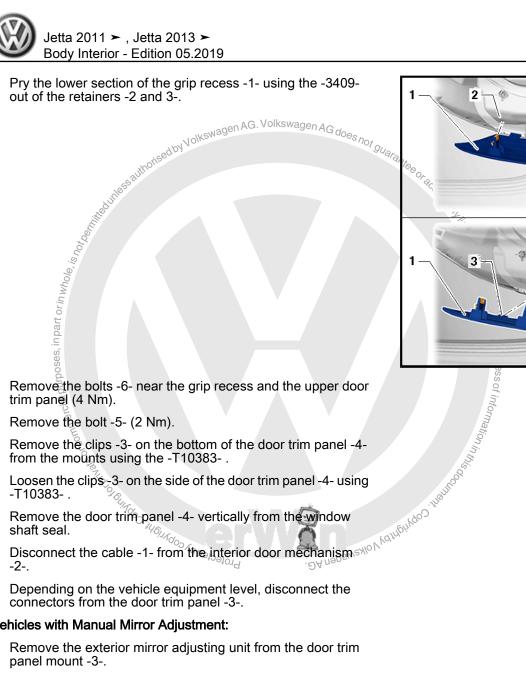
Removing

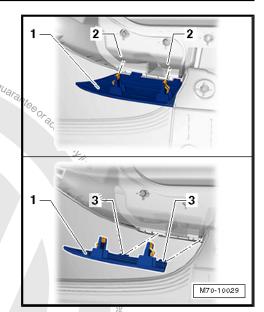
- Switch off the ignition.
- Pry out the upper section of the grip recess -4- using the -3409- in direction of -arrow C- from the door trim panel -2-.
- Depending on the vehicle equipment, disconnect the wiring harness -3- from the upper section of the grip recess -3-.
- Carefully pry out the decorative strip -1- using the -3409- .
- Push the decorative strip -1- in direction of -arrow A- and remove it from the door trim panel -2- in direction of -arrow B-.



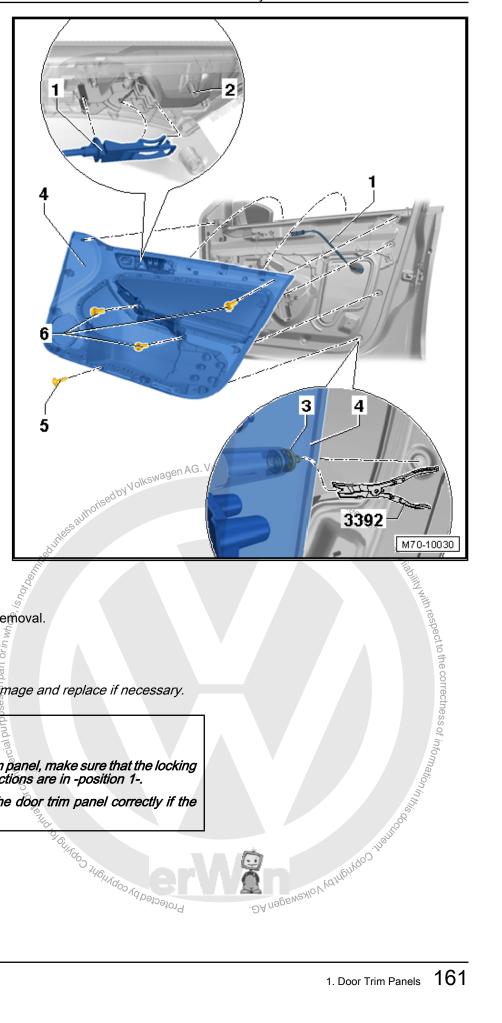


Pry the lower section of the grip recess -1- using the -3409out of the retainers -2 and 3-.





Vehicles with Manual Mirror Adjustment:



Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

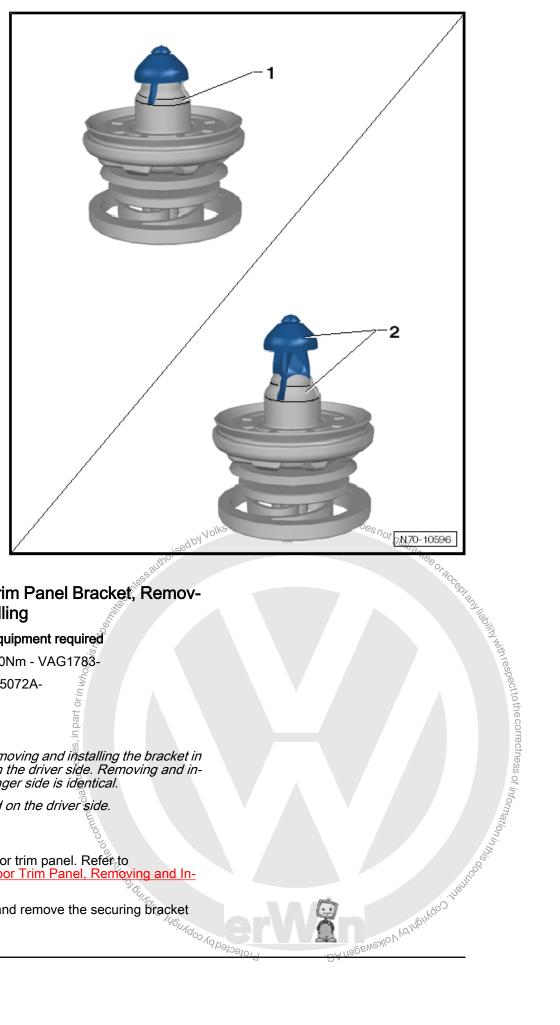


Caution

Before installing the door trim panel, make sure that the locking mechanism of all clip connections are in -position 1-.

It is not possible to install the door trim panel correctly if the clips are in the -2 position-. Profed by copyright, Copyright





Front Door Trim Panel Bracket, Remov-1.3 ing and Installing

Special tools and workshop equipment required

- Torque Wrench 1783 2-10Nm VAG1783-
- Pop Rivet Nut Pliers VAS5072A-



Note

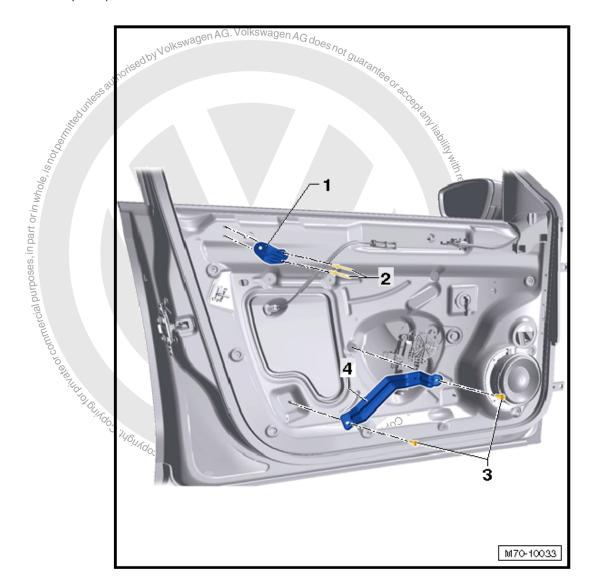
- The following describes removing and installing the bracket in the front door trim panel on the driver side. Removing and installing on the front passenger side is identical.
- Bracket -4- is only installed on the driver side.

Removing

- Remove the driver front door trim panel. Refer to ⇒ "1.1 Driver Side Front Door Trim Panel, Removing and Installing", page 155.
- Drill out the pop rivets -2- and remove the securing bracket Pilydos yd beiselol -1- from the door.



- Remove the bolts -3- (4 Nm) and the bracket -4- from the door.



Installing

Install in reverse order of removal.



Note

Rivet the pop rivets for the securing bracket using the - VAS5072- .

Rear Door Trim Panel, Removing and 1.4 Installing

Special tools and workshop equipment required

- ◆ Trim Removal Wedge 3409-
- Wedge Set T10383-
- ♦ Torque Wrench 1783 2-10Nm VAG1783-



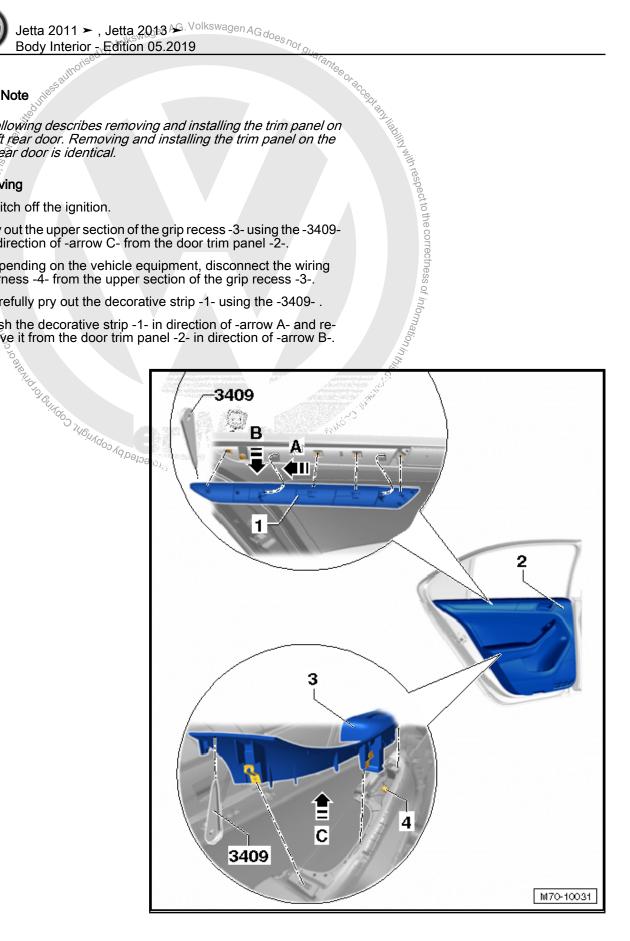


Note

The following describes removing and installing the trim panel on the left rear door. Removing and installing the trim panel on the right rear door is identical.

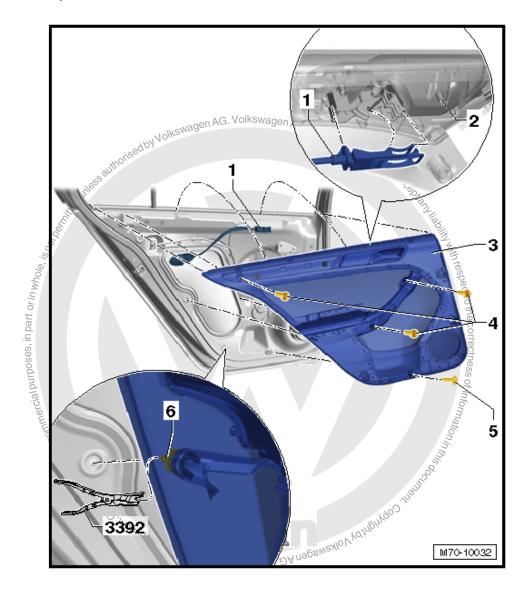
Removing

- Switch off the ignition.
- Pry out the upper section of the grip recess -3- using the -3409in direction of -arrow C- from the door trim panel -2-.
- Depending on the vehicle equipment, disconnect the wiring farness -4- from the upper section of the grip recess -3-.
- Carefully pry out the decorative strip -1- using the -3409- .
- Push the decorative strip -1- in direction of -arrow A- and remove it from the door trim panel -2- in direction of -arrow B-.



- Remove the bolts -4- near the grip recess and the upper door trim panel (4 Nm).
- Remove the bolt -5- (2 Nm).

- Loosen the clips -6- on the bottom of the door trim panel -3using -T10383-.
- Loosen the clips -6- on the side of the door trim panel -3- using -T10383- .
- Remove the door trim panel -3- vertically from the window shaft seal.
- Disconnect the cable -1- from the interior door mechanism
- Depending on the vehicle equipment level, disconnect the connectors from the door trim panel -3-.



Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

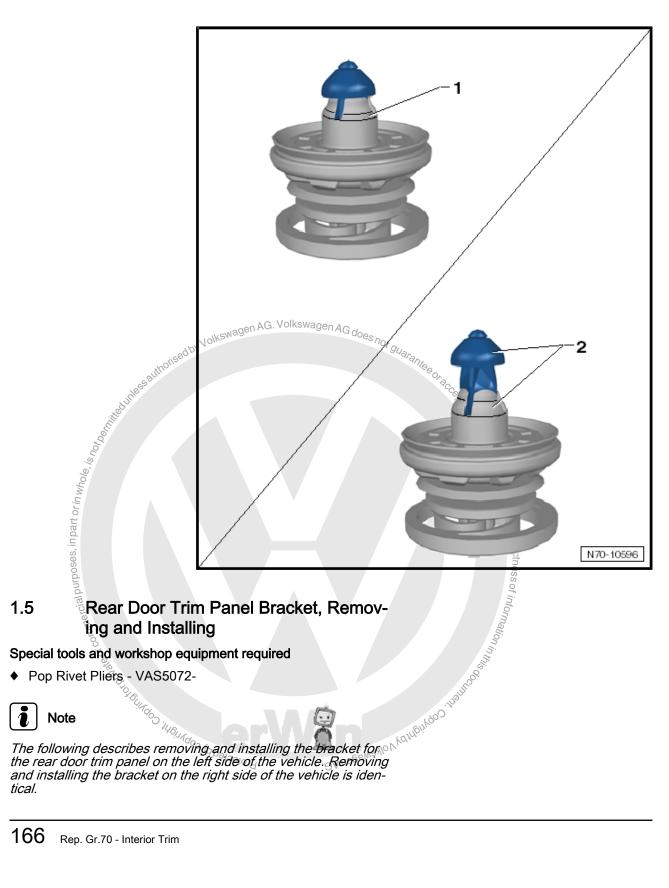




Caution

Before installing the door trim panel, make sure that the locking mechanism of all clip connections are in -position 1-.

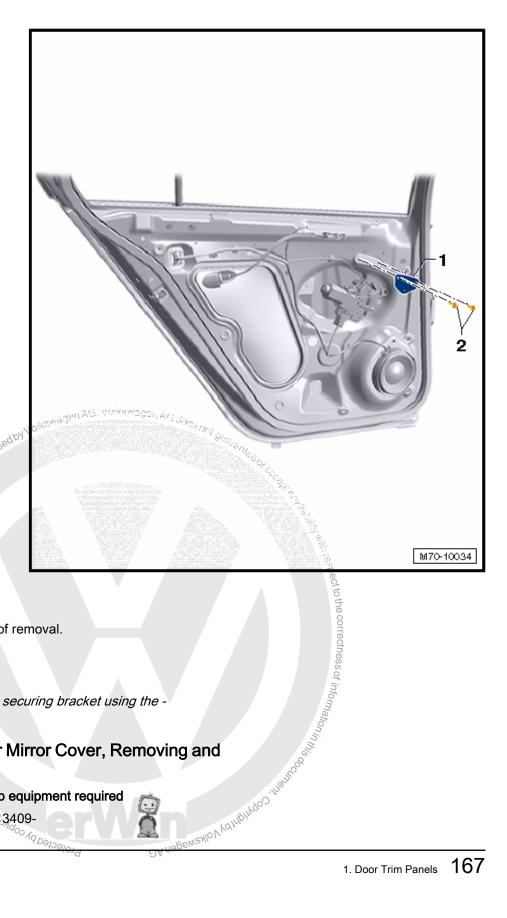
It is not possible to install the door trim panel correctly if the clips are in the -2 position-.





Removing

- Remove the rear door trim panel. Refer to ⇒ "1.4 Rear Door Trim Panel, Removing and Installing", page
- Drill out the pop rivets -2- and remove the securing bracket -1- from the door.



Installing - Install Installin reverse order of removal.



Note

Rivet the pop rivets for the securing bracket using the - VAS5072-

Front Inner Mirror Cover, Removing and 1.6 Installing

Special tools and workshop equipment required

♦ Trim Removal Wedge 3409octed by cc

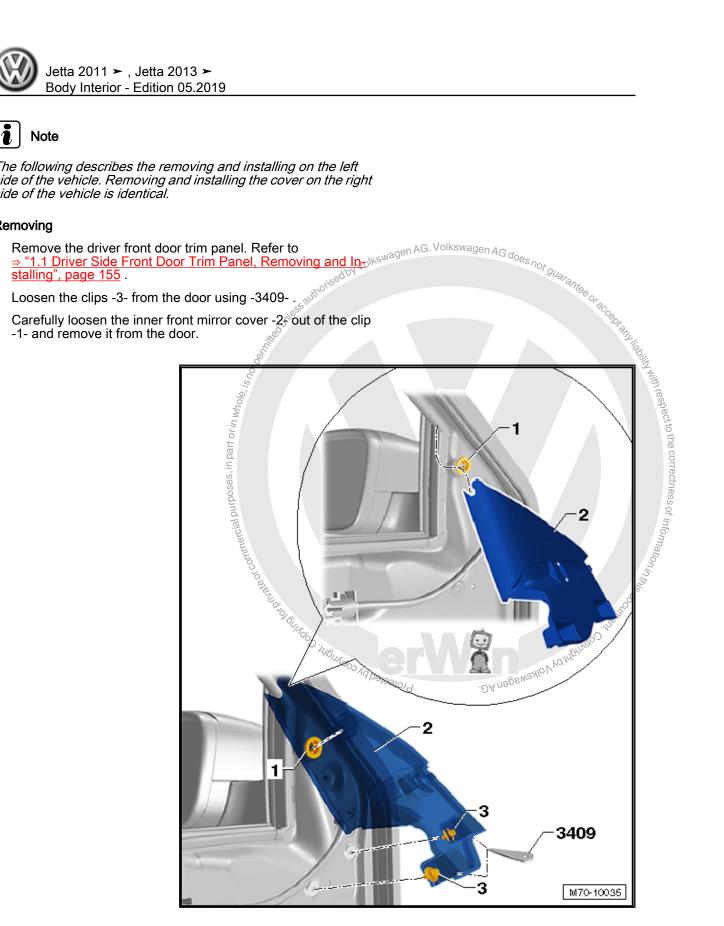






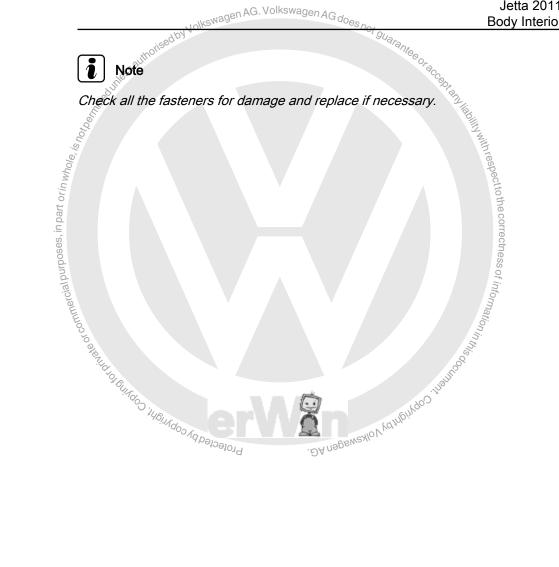
The following describes the removing and installing on the left side of the vehicle. Removing and installing the cover on the right side of the vehicle is identical.

Removing



Installing

Install in reverse order of removal.



2

- ⇒ "2.1 Side Instrument Panel Covers, Removing and Installing", page 170
- ⇒ "2.2 Instrument Cluster Trim, Left and Center Instrument Panel Vents, Removing and Installing", page 171
- ⇒ "2.3 Right Instrument Panel Air Vents, Removing and Installing", page 174
- "2.4 Left Decorative Trim, Driver Side, Removing and Instal-<u>ling", page 175</u>
- ⇒ "2.5 Instrument Panel Center Trim, Removing and Installing, Vehicles without Climatronic", page 176
- ⇒ "2.6 Instrument Panel Center Trim, Removing and Installing, Vehicles with Climatronic", page 177
- ⇒ "2.7 Instrument Panel, Removing and Installing", page 178
- ⇒ "2.8 Instrument Panel Deformation Element", page 187
- ⇒ "2.9 Instrument Panel, Aligning in Vehicle", page 188

Instrument Panel Covers, Removing and Installing", age 170 "2.2 Instrument Cluster Trim, Left and Center Instrument Panel ents, Removing and Installing", page 171 "2.3 Right Instrument Panel Air Vents, Removing and Installing, page 174 "2.4 Left Decorative Trim, Driver Side, Removing and Installing, page 175 "2.5 Instrument Panel Center Trim, Removing and Installing, ehicles with Climatronic", page 176 "2.6 Instrument Panel Center Trim, Removing and Installing, ehicles with Climatronic", page 177 "2.7 Instrument Panel, Removing and Installing", page 188 "2.8 Instrument Panel Deformation Element ", page 188 "2.9 Instrument Panel, Aligning in Vehicle", page 188 .1 Side Instrument Panel Covers, Removing and Installing pecial tools and workshop equipment required Trim Removal Wedge - 3409-emoving Remove the left instrument panel cover -12 using the -3409-. 2.1

Special tools and workshop equipment required

◆ Trim Removal Wedge - 3409-

Removing

- Remove the right instrument panel cover -2- using the -3409-.
- Remove the side instrument panel covers -1 and 2- from the instrument panel.





Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

2.2 Instrument Cluster Trim, Left and Center Instrument Panel Vents, Removing and Installing

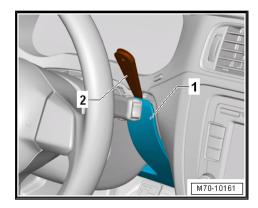
Special tools and workshop equipment required

◆ Trim Removal Wedge - 3409-

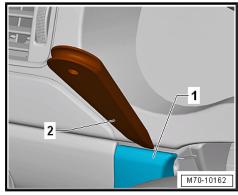
Removing

- Switch off the ignition.
- Move the steering wheel to the lowest position.
- Adjust the steering wheel depth (reach) so it is in the fully extended position.

- Move the left and center instrument panel vents into the highest position.
- Release the clip on the right side of the instrument panel cover -1- using the - 3409- -2-.



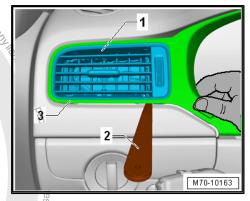
Release the clip on the left side of the instrument panel cover -1- using the -3409- -2-.



Release the clip below the left vent -1- on the right side with the company of th

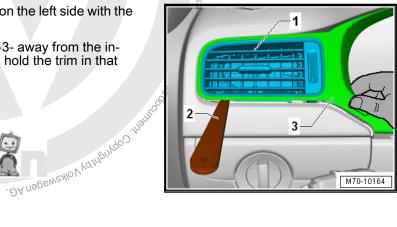
thorised by Volkswagen AG. Volkswagen AG does not guarantee

Lightly pull the instrument cluster trim -3- away from the instrument panel with the right hand and hold the trim in that position.

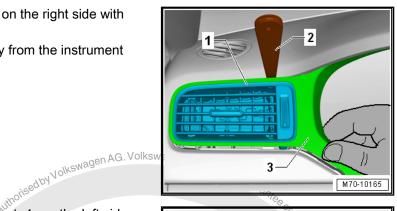


purposes, in part or in whole, Release the clip below the left vent -1- on the left side with the - 3409- -2-.

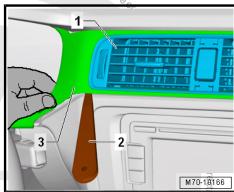
Lightly pull the instrument cluster trim -3- away from the instrument panel with the right hand and hold the trim in that position. Ser Jegindos jugindos valbersesora



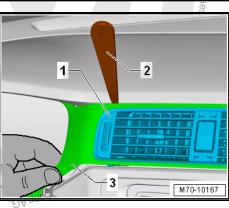
- Release the clip above the left vent -1- on the right side with the - 3409- -2-.
- Pull the instrument cluster trim -3- away from the instrument panel slightly with the right hand.



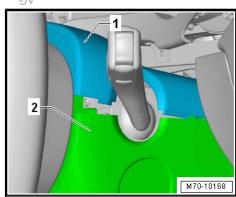
- Release the clip below the left center vent -1- on the left side with the - 3409- -2-.
- Lightly pull the instrument cluster frim -3- away from the instrument panel with the left hand and hold the trim in that position.



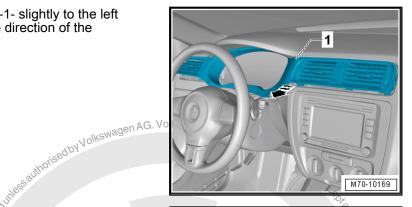
- Release the clip above the left center vent -1- on the left side with the - 3409- -2-.
- Lightly pull the instrument cluster trim -3- away from the instrument panel with the left hand and hold the trim in that position.



and from sing Loosen the upper steering column trim panel -1- and from the mounts on the lower steering column trim panel -2- using the - 3409- and remove.



 Pull the entire instrument cluster trim -1- slightly to the left away from the instrument panel in the direction of the -arrow-.



 Disconnect the connector -1- for the Emergency Flasher Switch - E3- -2-.

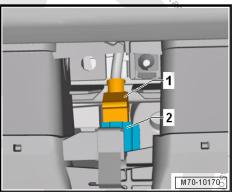
Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.



2.3 Right Instrument Panel Air Vents, Removing and Installing

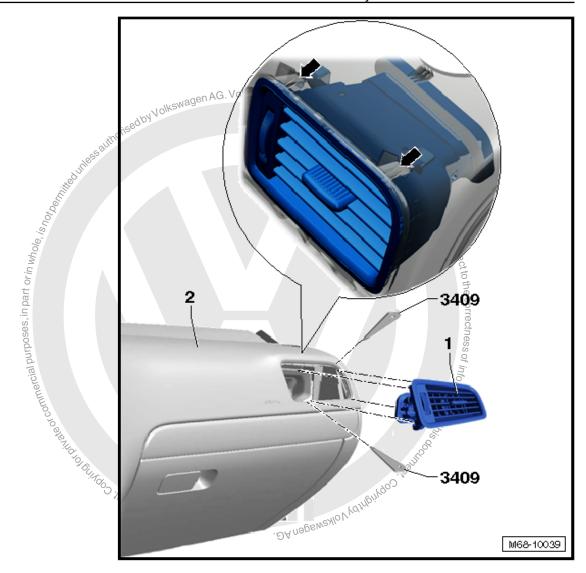
Special tools and workshop equipment required

◆ Trim Removal Wedge - 3409-

Removing

- Open the upper and lower clips on the right vent -arrow- with the -3409- and pull it out slightly.
- Remove the right vent -1- from the instrument panel -2-.





- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

2.4 Left Decorative Trim, Driver Side, Removing and Installing

Special tools and workshop equipment required

◆ Trim Removal Wedge - 3409-



Note

For reasons of clarity, the steering wheel is not shown in the illustration. It is not necessary to remove it.



Removing

Remove the left decorative trim on the driver side -1- using -3409- .

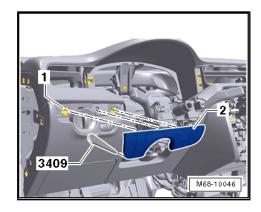
Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.



Instrument Panel Center Trim, Remov-2.5 ing and Installing, Vehicles without Climatronic

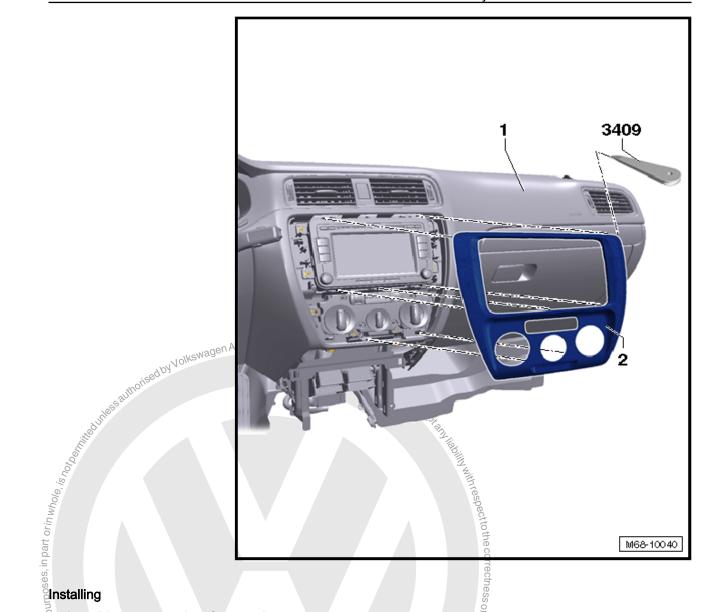
Special tools and workshop equipment required

♦ Trim Removal Wedge - 3409-

Removing

Remove the instrument panel center trim -2- from the instrument panel mounts -1- near the retainers using the -3409- .





anstalling

Install in reverse order of removal.



Note

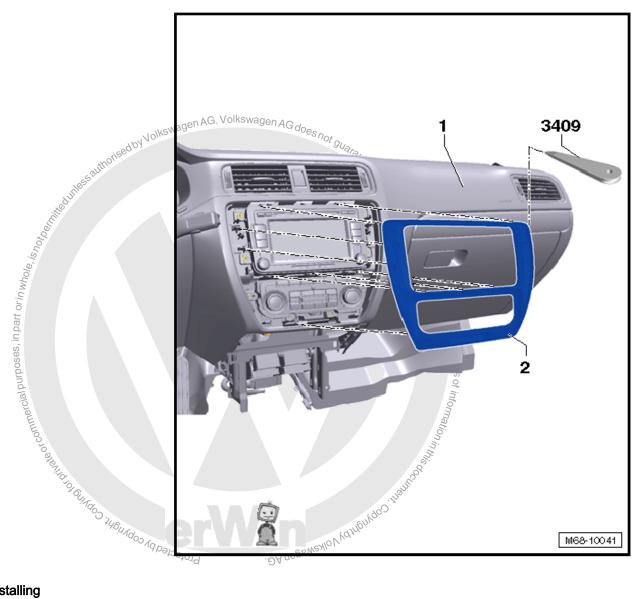
Check all the fasteners for damage and replace if necessary.

Instrument Panel Center Trim, Remoy-2.6 ing and Installing, Vehicles with Clima-

◆ Trim Removal Wedge - 3409-

Removing

Remove the instrument panel center trim -2- from the instrument panel mounts -1- near the retainers using the -3409- .



- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

2.7 Instrument Panel, Removing and Installing

Special tools and workshop equipment required

♦ Trim Removal Wedge - 3409-

Removing

Move the front seats all the way back and tilt backrests 45°.



WARNING

Follow all safety precautions when working with pyrotechnic components. Refer to "1 Safety Precautions", page 1

Volkswagen AG. Volkswagen AG does no

- Follow the allocation of the airbag to the instrument panel. Refer to the Parts Catalog.
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Remove the driver side airbag unit. Refer to 5.1 Airbag Unit with Driver Airbag Igniter N95, Removing and Installing", page 88.
- Remove the steering wheel. Refer to ⇒ Suspension, Wheels, Steering; Rep. Gr. 48; Electromechanical Steering Gear.
- Remove the instrument panel cover on each side. Refer to "2.1 Side Instrument Panel Covers, Removing and Installing", page 170
- Remove the A-pillar center trim panels. Refer to ⇒ "4.2 A-Pillar Center Trim, Removing and Installing", page 200 .
- Remove the A-pillar upper trim panels. Refer to 3/III-DA negsweallo V Vd Ingingo D. ⇒ "4.1 A-Pillar Upper Trim Panel, Removing and Installing",
- Remove the center console:
- Protect »Basic«. Refer to ⇒ "3.1 Center Console, Removing and Installing, Basic", page
- »Comfort and Highline«. Refer to '3.2 Center Console, Removing and Installing, Comfort and Highline ", page 33 .
- Remove the instrument panel trim and the left and center instrument panel vents. Refer to ⇒ "2.2 Instrument Cluster Trim, Left and Center Instrument Panel Vents, Removing and Installing", page 171.
- Remove the glove compartment. Refer to ⇒ "1.4 Glove Compartment, Removing and Installing",
- Remove the steering column trim. Refer to ⇒ "1.2 Steering Column Trim Panel, Removing and Installing", page 18 .
- Remove the Steering Column Electronics Control Module -J527- . Refer to ⇒ Electrical Equipment; Rep. Gr. 94; Steering Column Switch Module; Steering Column Electronics Control Module - J527-, Removing and Installing
- Remove the Airbag Spiral Spring/Return Spring with Slip Ring F138- . Refer to ⇒ Electrical Equipment; Rep. Gr. 94; Steering Column Switch Module .
- Remove the Steering Angle Sensor G85- . Refer to ⇒ Electrical Equipment; Rep. Gr. 94.
- Remove the Turn Signal Switch E2- . Refer to ⇒ Electrical Equipment; Rep. Gr. 94; Steering Column Switch Module.



Vehicles without Climatronic

Vehicles with Climatronic

Vehicles with Radio System

Vehicles with Navigation

Vehicles with Telephone Baseplate on the Instrument Panel

Disconnect the wiring harnesses for the telephone baseplate. Refer to ⇒ Communication; Rep. Gr. 91; Telephone System; Telephone Baseplate - R126-, Removing and Installing.

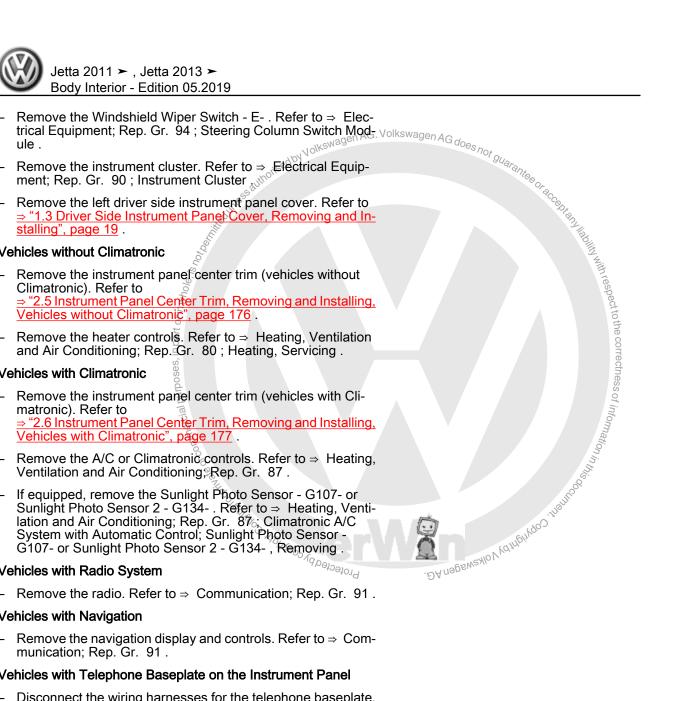
All Vehicles

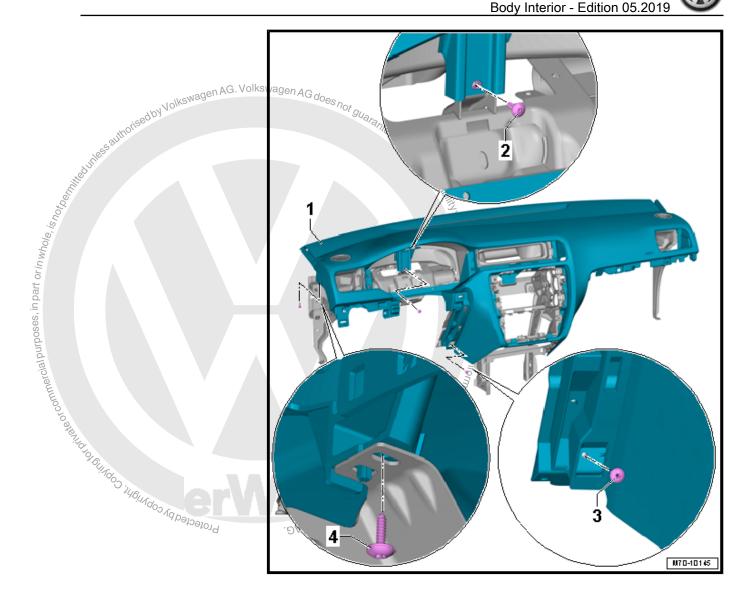
Remove the screws -2, 3 and 4- from the instrument panel -1- (1.5 Nm).



Note

Make sure the bushings are inside the instrument panel mount -1- before installing the bolt -2-.



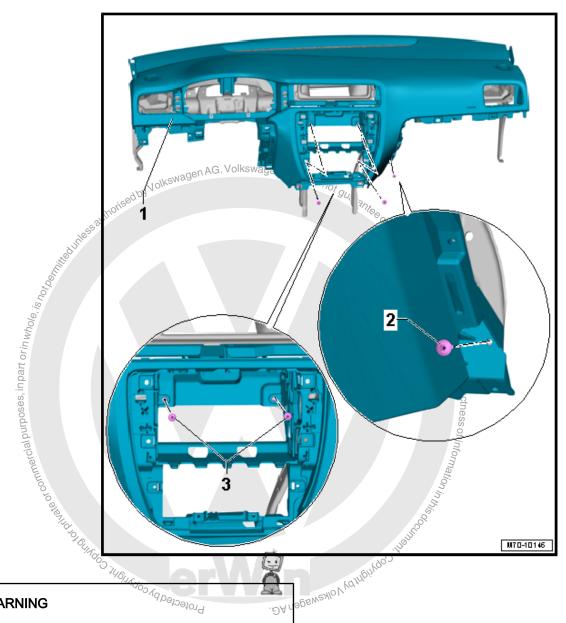


Remove the screws -2 and 3- from the instrument panel -1-(1.5 Nm).



Note

Before installing the screws -3-, make sure the spacer bushings are inside the instrument panel -1-.

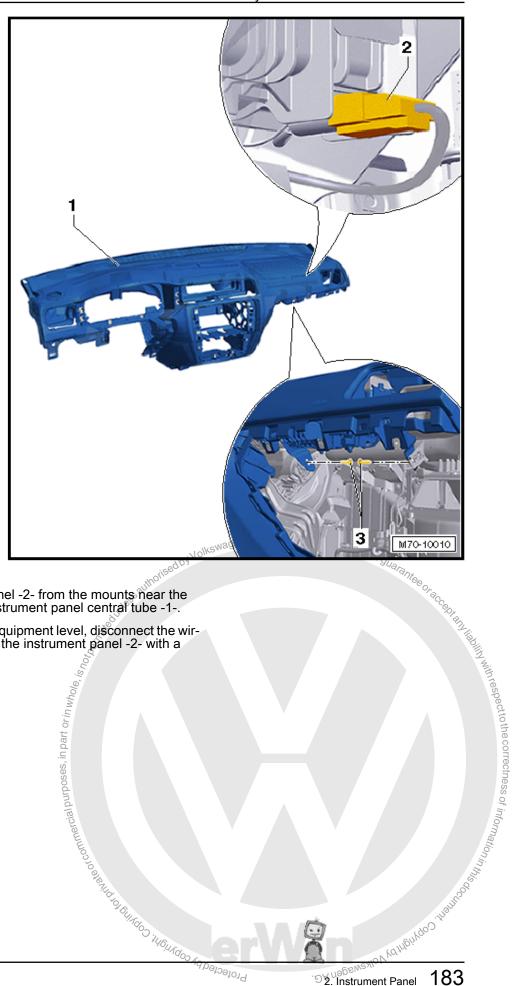




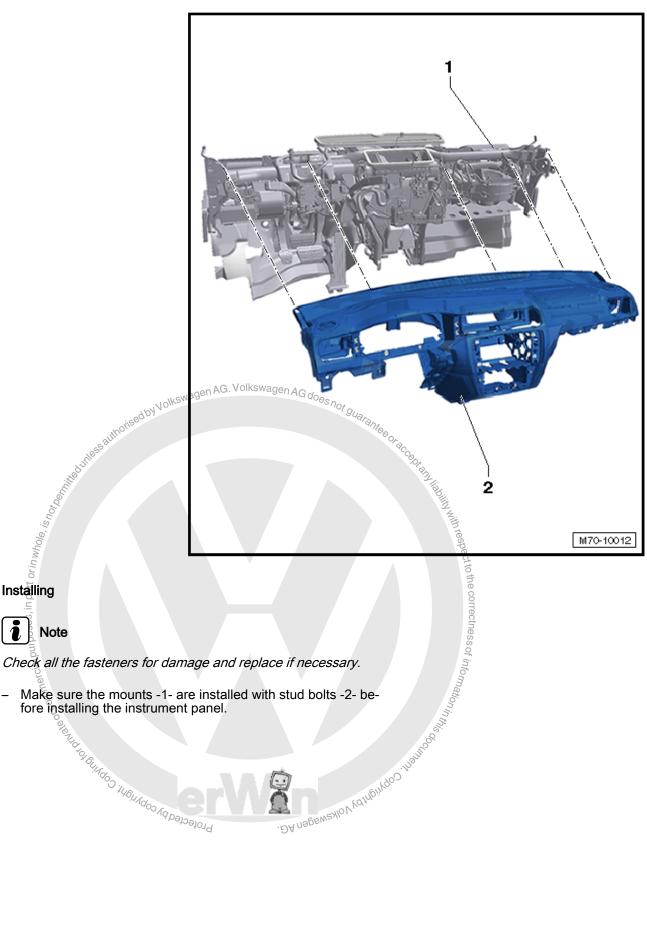
WARNING

Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.

- Disconnect the connector -2- from the front passenger airbag.
- Remove the bolt -3- from the instrument panel -1- (9 Nm).



- Remove the instrument panel -2- from the mounts near the windshield and from the instrument panel central tube -1-.
- Depending on the vehicle equipment level, disconnect the wiring harnesses and remove the instrument panel -2- with a Protected by the both whole, is not a standard of the both of the second technician.

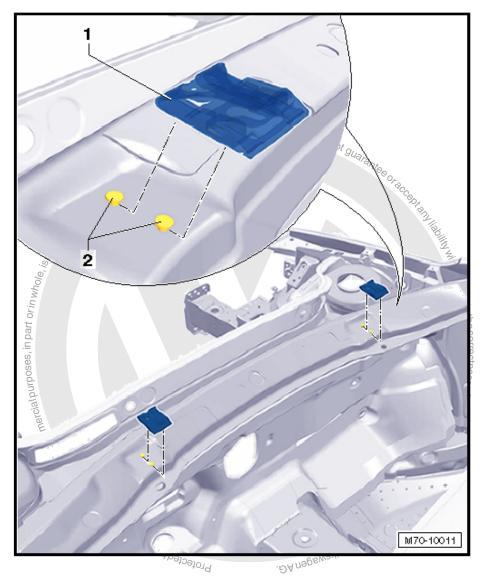




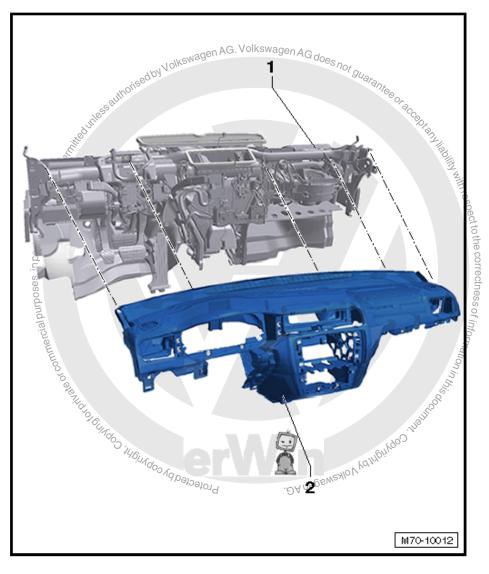
Note

Check all the fasteners for damage and replace if necessary.

Make sure the mounts -1- are installed with stud bolts -2- before installing the instrument panel. Separatol Bridges Menydos Val Delis esta



Position the instrument panel -1- on the instrument panel central tube -1- with the help of a second technician.





WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.



Note

Make sure the connectors are installed all the way and engage audibly.



WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

Connect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



Note

If the Airbag Indicator Lamp - K75- indicates a fault, check the Diagnostic Trouble Code (Diagnostic Trouble Code (DTC)) memory, erase it and check it again using the Vehicle Diagnostic Tester .

The rest of the installation is the reverse order of removal.

2.8 Instrument Panel Deformation Element

Removing

Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.

Driver Side Deformation Element

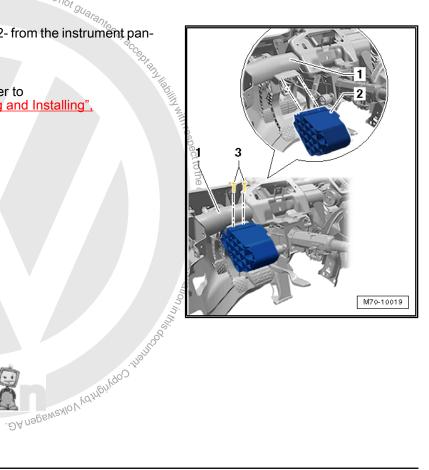
- Remove the instrument panel. Refer to

 ⇒ "2.7 Instrument Panel, Removing and Installing",
 page 178.

 2.(1.5 Nm).
- Remove the deformation element -2- from the instrument panel central tube -1-.

Center Deformation Element

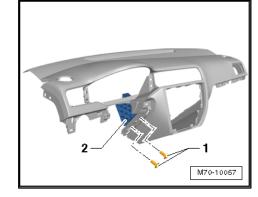
- Remove the instrument panel. Refer to Protected by copyright, Copyright, Copyright, Shr. ⇒ "2.7 Instrument Panel, Removing and Installing",
 - Remove the screws -1- (1.5 Nm).



Remove the deformation element -2- from the instrument pan-

Front Passenger Side Deformation Element

- Remove the glove compartment. Refer to "1.4 Glove Compartment, Removing and Installing",
- Remove the bolts -2- (1.5 Nm).



Remove the deformation element -1- from the instrument pan-

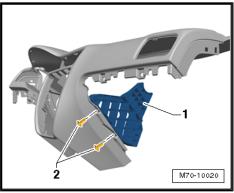
Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.



2.9 Instrument Panel, Aligning in Vehicle

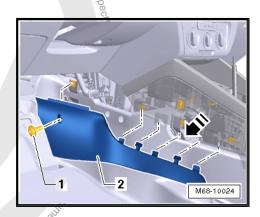


Instrument panel can be aligned in height and diagonally to the direction of travel.

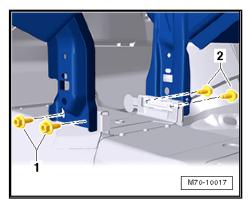
Perform the following:

- Remove the heat shield. Refer to ⇒ Rep. Gr. 92.
- ed in neig...

 AG. Volkswagen AG does not guarantee of the second guarantee o Remove the plenum chamber cover. Refer to ⇒ Rep. Gr. 50; Plenum Chamber Cover; Plenum Chamber Cover, Removing and Installing
- Remove the instrument panel cover on each side. Refer to \Rightarrow "2.1 Side Instrument Panel Covers, Removing and Installing", page 170 .
- Remove the screw -1- on both sides (1.5 Nm).
- Remove the trim -2- on both sides of the center console in direction of -arrow-.

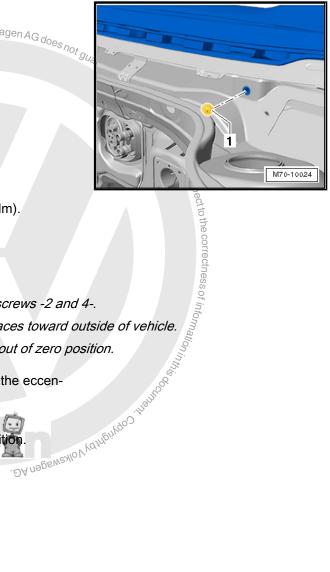


Just loosen the bolts -1 and 2- (2-3 turns) (20 Nm).



Just loosen the bolts -1- (2-3 turns) (20 Nm).





- Loosen the nuts -1- and the nut -4- 2-3 turns (20 Nm).

Instrument Panel Height, Aligning



Note

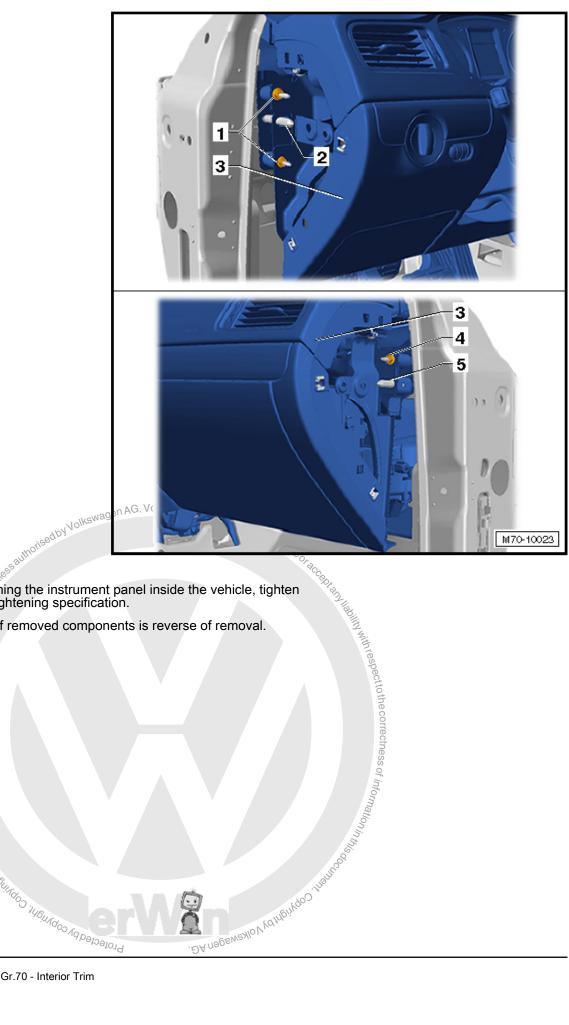
- ♦ Instrument panel height -3- is set using eccentric screws -2 and 4-.
- In the zero position, the longer eccentric surface faces toward outside of vehicle.

Protectedby

- The eccentric must not be turned more than ±90° out of zero position.
- Adjust the height of the instrument panel -3- using the eccentric screws -2 and 4-

Instrument Panel Width, Aligning

Push the instrument panel 3- into the desired position



After aligning the instrument panel inside the vehicle, tighten it to the tightening specification.

Interior Trim Installation of removed components is reverse of removal.

Instrument Panel Central Tube 3

- ⇒ "3.1 Overview Instrument Panel Central Tube", page 191
- ⇒ "3.2 Instrument Panel Central Tube, Removing and Installing", page 193
- ⇒ "3.3 Instrument Panel Central Tube Bracket, Removing and Installing ", page 196

Overview - Instrument Panel Central Tube 3.1



Note

It may be helpful to make drawings or take photos of any wires that are going to be loosened, removed and then installed. This assures the wires will be reconnected correctly.

1 - Nut

- □ Tightening specification 9 Nm.
- Quantity: 2

2 - Bolt

- □ Tightening specification 1.5 Nm.
- Only USA
- Quantity: 2

3 - Bolt

- Tightening specification 20 Nm
- ☐ Located inside the plenum chamber on the left side

4 - Nut

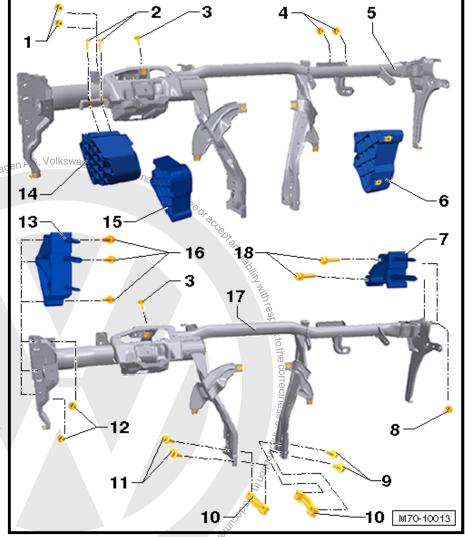
- ☐ Fightening specification ∞4.5 Nm.
- Quantity: 2

5 - Instrument Panel Central Tube, USA

- Removing and installing. Refer to ⇒ "3.2 Instrument Panel Central Tube, Removing and Installing", page 193.
- 6 Front Passenger Side Deformation Element
 - ☐ Only USA
 - Bolted to the instrument panel
 - Removing and installing. Refer to ⇒ "2.8 Instrument Panel Deformation Element", page 187.

7 - Bracket with Eccentric

- ☐ Instrument panel central tube bracket on the front passenger side; bolted to the A-pillar
- ☐ The bracket can be used to align the instrument panel. Refer to ⇒ "2.9 Instrument Panel, Aligning in Vehicle", page 188



	Removing and installing. Refer to ⇒ <u>"3.3 Instrument Panel Central Tube Bracket, Removing and Installing", page 196</u> .
8 - Nut	
	Instrument panel central tube nut to bracket -item 7- ⇒ Item 7 (page 191)
9 - B	
	Tightening specification 20 Nm
_	Instrument panel central tube bolt to center tunnel
	Quantity: 2
10 - Threaded Plate	
11 - Bolt	
	Tightening specification 20 Nm
_	Instrument panel central tube bolt to center tunnel
ū	
 Quantity: 2 12 - Nut □ Instrument panel central tube nut to bracketitem 13- <u>> Item 13 (page 192)</u> 	
``	Instrument panel central tube nut to bracket -item 13- ⇒ Item 13 (rage 192)
ū	Quantity: 2
	Tightening specification 20 Nm
13 - Bracket with Eccentric	
	The bracket can be used to align the instrument panel. Refer to
	⇒ "2.9 Instrument Panel, Aligning in Vehicle", page 188
	Removing and installing. Refer to ⇒ "3.3 Instrument Panel Central Tube Bracket, Removing and Installing", page 196.
	Only USA Secured to the instrument panel central tube
	Secured to the instrument panel central tube
	Removing and installing. Refer to <u>⇒ "2.8 Instrument Panel Deformation Element" page 187</u> .
15 - Center Deformation Element	
	Only USA:
	Bolted to the instrument panel
	Removing and installing. Refer to \Rightarrow "2.8 Instrument Panel Deformation Element", page 187.
ــ ۱ - 16	Polt
- 0I -	Tightening specification 20 Nm For the bracket, Refer to litem 13, 100 left Actillar
٥	Quantity: 3
	Quantity: 3 Instrument Panel Central Tube
ו - זו □	Removing and installing. Refer to
_	⇒ "3.2 Instrument Panel Central Tube, Removing and Installing", page 193.
18 - Bolt	
	Tightening specification 20 Nm
	For the bracket. Refer to -item 7- <u>⇒ Item 7 (page 191)</u> to right A-pillar
	Quantity: 2

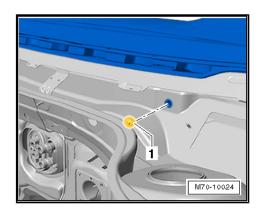
3.2 Instrument Panel Central Tube, Removing and Installing



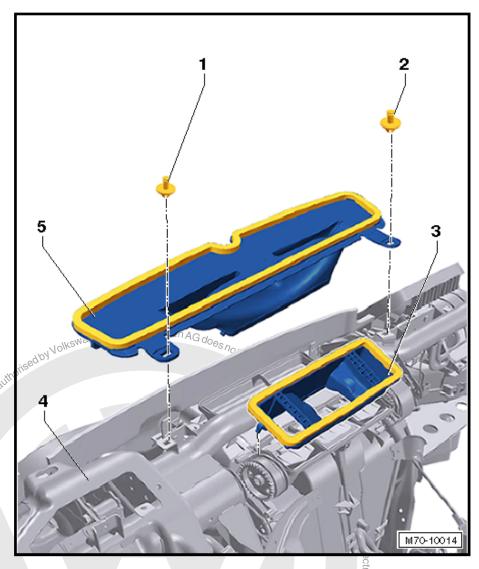
Note

It may be helpful to make drawings or take photos of any wires that are going to be loosened, removed and then installed. This assures the wires will be reconnected correctly.

- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Remove the instrument panel. Refer to ⇒ "2.7 Instrument Panel, Removing and Installing", page 178.
 - Remove the wiper arms. Refer to ⇒ Electrical Equipment; Rep. Gr. 92; Windshield Wiper System; Windshield Wiper Arms, Removing and Installing
- Remove the plenum chamber cover. Refer to ⇒ Rep. Gr. 50; Plenum Chamber Cover; Plenum Chamber Cover, Removing and Installing .
- Remove the windshield wiper motor. Refer to ⇒ Electrical Equipment; Rep. Gr. 92; Windshield Wiper System .
- Remove the bolt-1- inside the plenum chamber (20 Nm). Protectedby DA Nagen AG



- Remove the expanding pins -1 and 2-.
- Remove the defroster duct -5- from the instrument panel central tube -4-.
- Remove the air distributor -3- from the heater and A/C unit.

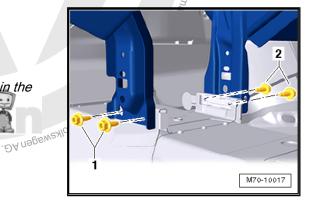


- Remove the steering column from the crossmember. Refer to ⇒ Suspension, Wheels, Steering; Rep. Gr. 48; Steering Column; Overview - Steering Column .
- Remove the botts -1 and 2- (20 Nm).



Note

Mark the height and side position of the crossmember -2- in the vehicle around the nuts -1- and centering pin -3-. Protected by copyrigh



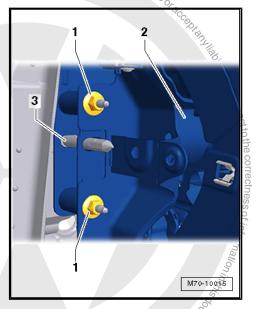
Remove the nuts -1- on the driver side (20 Nm).



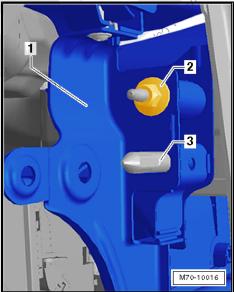
Note

Mark the height and side position of the crossmember -1- in the vehicle around the nuts -2- and centering pin -3-.

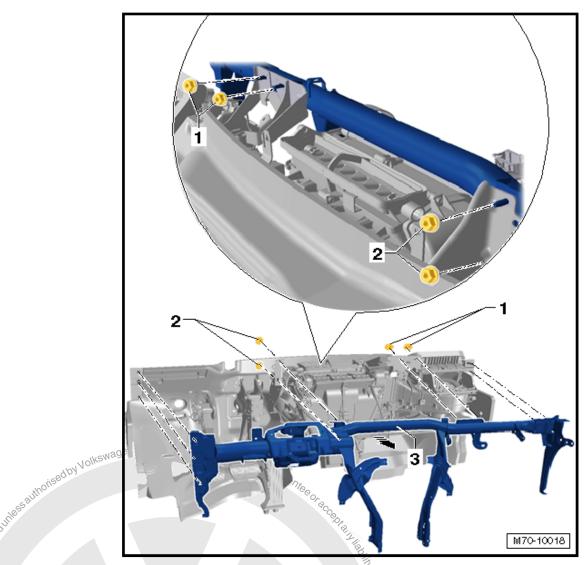
or commercial purposes, in part or in w



- Remove the nut -2- (20 Nm) on the front passenger side. Mados Adbetselor



- Remove the harness connector mountings from the cross-member, depending on the equipment level of the vehicle.
- Remove the nuts -1- (9 Nm).
- Remove the nuts -2- (9 Nm).
- Loosen the instrument panel central tube -3- in the direction of -arrow- and pull it slightly to the rear.
- Carefully remove the instrument panel central tube -3- from the vehicle with a second technician.



install in reverse order of removal.



Note

- Before installing the instrument panel crossmember, line it up with the markings made before it was removed.
- Check all the fasteners for damage and replace if necessary.

Instrument Panel Central Tube Bracket, 3.3 Removing and Installing

- Disconnect the battery ground cable with the ignition turned on. Refer to \Rightarrow Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Remove the instrument panel central tube. Refer to 100 ⇒ "3.2 Instrument Panel Central Tube, Removing and Installing", page 193

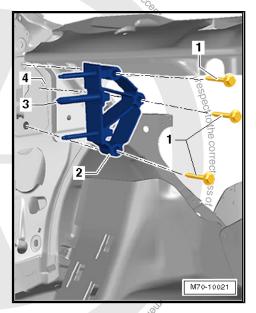
Driver Side Bracket:

- Remove the bolts -1- (20 Nm).
- Remove the driver side bracket -2- from the inner A-pillar -4-.

authorised by V

Bracket on the Front Passenger Side:

Remove the bolts -1- (20 Nm).



si e j j Remove the front passenger side bracket -4- from the inner A-Protected by copyright; C pillar -2-.

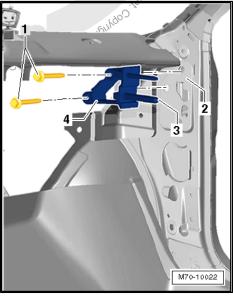
Installing

- Install in reverse order of removal.



Note

Use the eccentric -3- to adjust the height of the instrument panel $(\pm 2 mm)$.



Vehicle Interior Trim Panels 4

- "4.1 A-Pillar Upper Trim Panel, Removing and Installing", page
- ⇒ "4.2 A-Pillar Center Trim, Removing and Installing", page 200
- ⇒ "4.3 Driver Side A-Pillar Lower Trim Panel, Removing and Installing", page 201
- ⇒ "4.4 Front Passenger Side A-Pillar Lower Trim Panel, Removing and Installing", page 203
- ⇒ "4.5 B-Pillar Upper Trim Panel, Detaching and Fastening", page
- ⇒ "4.6 B-Pillar Upper Trim Panel, Removing and Installing", page 206
- "4.7 B-Pillar Lower Trim Panel, Removing and Installing", page
- ⇒ 4.8 C-Pillar Trim Panel, Removing and Installing, page 210
- "4.9 Sill Panel, Removing and Installing", page 211
- "4.10 Wheel Housing Trim, Removing and Installing, Vehicles with Thorax Airbag", page 213
- ⇒ "4.11 Wheel Housing Trim, Removing and Installing, Vehicles without Thorax Airbag", page 214
- "4.12 Rear Shelf, Removing and Installing", page 216

4.1 A-Pillar Upper Trim Panel, Removing and Installing

Special tools and workshop equipment required

Trim Removal Wedge - 3409



Note

DA MOGEWRANOV VOTH GINGOS Protected by copyright, The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.

Removing

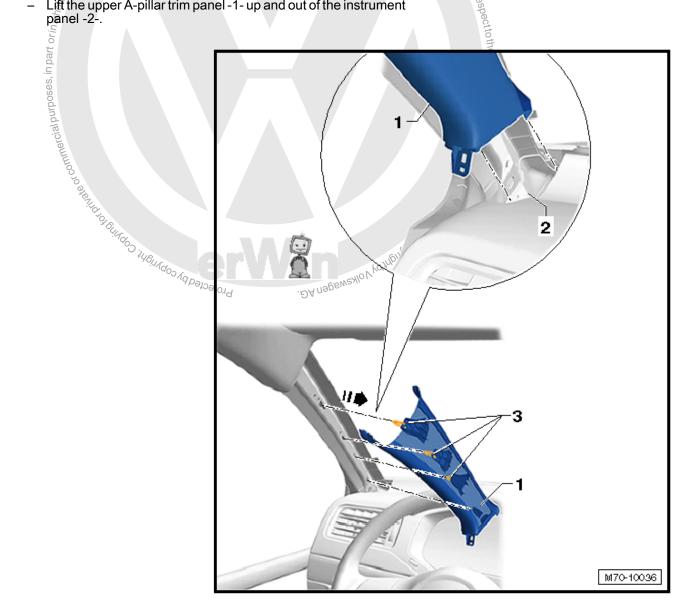
- Remove the instrument panel cover on each side. Refer to ⇒ "2.1 Side Instrument Panel Covers, Removing and Installing", page 170
- Remove the A-pillar center trim panel. Refer to ⇒ "4.2 A-Pillar Center Trim, Removing and Installing", page 200
- Loosen the trim panel -1- from the door seal molding.
- Using a -3409-, carefully loosen the A-pillar upper trim panel -1- near the clips -3- starting at the top up to the first retainer.



Caution

It is theoretically possible to damage the head curtain airbag during the following steps. Therefore proceed with great care when bending the hooks

- Slide a screwdriver between the body and the head curtain airbag near the upper two clips.
- Using the screwdriver, bend the hooks on the upper two clips until it is possible to remove the clips.
- Lift the upper A-pillar trim panel -1- up and out of the instrument panel -2-.



Install in reverse order of removal.



Caution

Before installing, the top two retaining clips must always be replaced .





Note

- Check all the fasteners for damage and replace if necessary.
- Make sure that the trim panel is inside the door seal molding

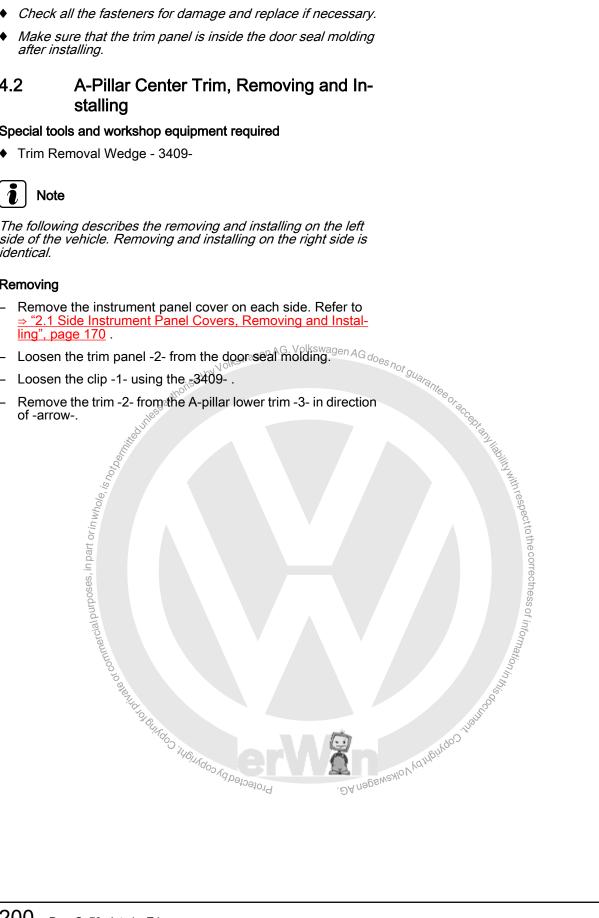
4.2

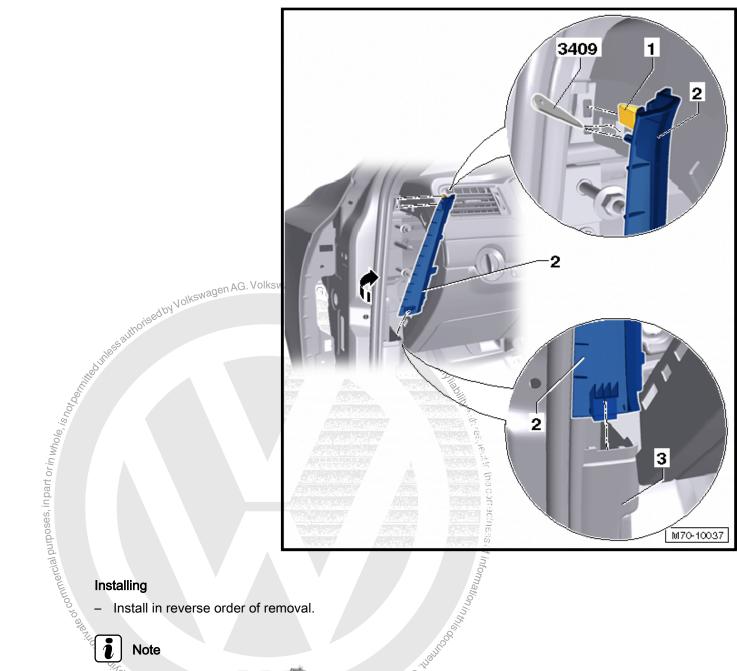
Special tools and workshop equipment required

◆ Trim Removal Wedge - 3409-



The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.





- Install in reverse order of removal.



Note

- Check all the fasteners for damage and replace if necessary.
- Make sure that the trim panel is inside the door seal molding after installing .DA nagenve

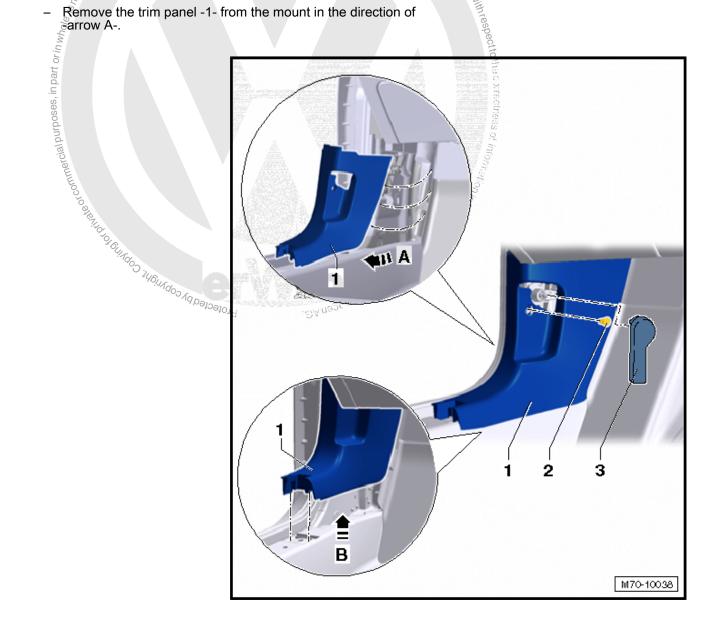
4.3 Driver Side A-Pillar Lower Trim Panel, Removing and Installing

Special tools and workshop equipment required

◆ Trim Removal Wedge - 3409-

- Detach the sill panel from the body in the transition area to the A-pillar lower trim panel. Refer to ⇒ "4.9 Sill Panel, Removing and Installing", page 211.

- Remove the instrument panel cover on each side. Refer to ⇒ "2.1 Side Instrument Panel Covers, Removing and Installing", page 170
- Remove the A-pillar center trim panel. Refer to \Rightarrow "4.2 A-Pillar Center Trim, Removing and Installing", page 200
- Remove the hood release lever -3-. Refer to \Rightarrow Body Exterior; Rep. Gr. 55; Hood .
- Remove the clip -2-.
- Loosen the trim panel -1- from the body in the direction of -arrow B-. While doing so, loosen the trim panel from the door seal molding.
- Remove the trim panel -1- from the mount in the direction of arrow A-.



- Install in reverse order of removal.



Note

- Check all the fasteners for damage and replace if necessary.
- Make sure that the trim panel is inside the door seal molding after installing.

4.4 Front Passenger Side A-Pillar Lower Trim Panel, Removing and Installing

Special tools and workshop equipment required

◆ Trim Removal Wedge - 3409-

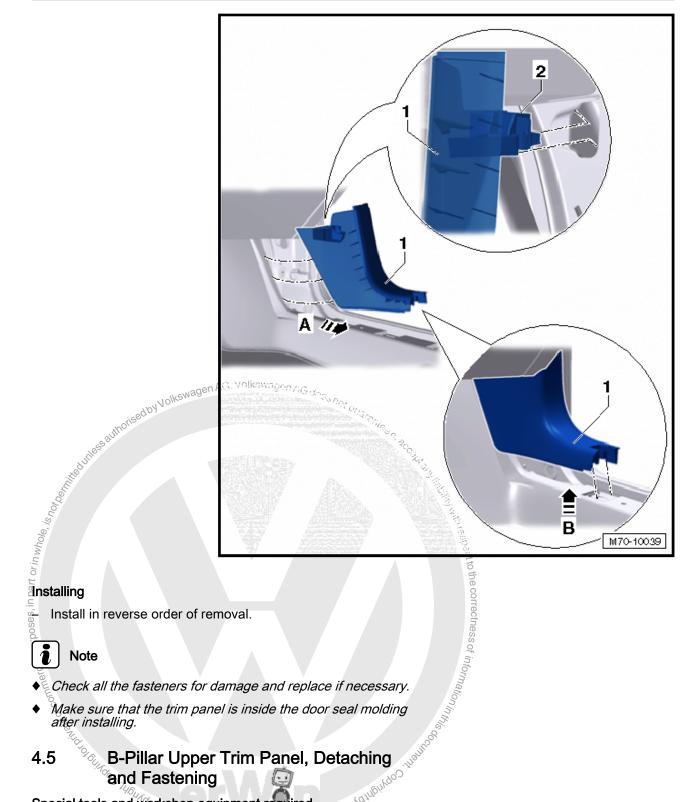
- emoving

 Detach the sill panel from the body in the transition area to the Tof ne door direction

 I of ne door

 direction A-pillar lower trim panel. Refer to "4.9 Sill Panel, Removing and Installing", page 211.
- Remove the instrument panel cover on each side. Refer to ⇒ "2.1 Side Instrument Panel Covers, Removing and Installing", page 170.
- Remove the A-pillar center trim panel. Refer to ⇒ "4" 2 A-Pillar Center Trim, Removing and Installing",
- Loosen the trim panel -1- from the body in the direction of -arrow B-. While doing so, loosen the trim panel from the door seal molding.
- Remove the trim panel -1- from the mount -2- in the direction of -arrow A-.





Install in reverse order of removal.



Note

- Check all the fasteners for damage and replace if necessary.
- Make sure that the trim panel is inside the door seal molding after installing.

B-Pillar Upper Trim Panel, Detaching 4.5 .DA negewexlov yourlyingoo. and Fastening

Special tools and workshop equipment required

Trim Removal Wedge - 3409-

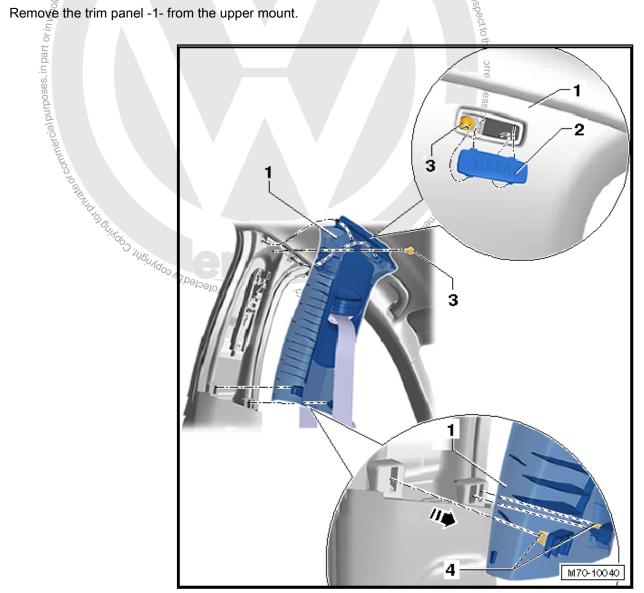


Note

The following describes detaching and fastening the B-pillar trim panel on the left side of the vehicle. Detaching and fastening for the right side of the vehicle is identical.

Loosening

- Remove the »Airbag« emblem -1- and the screw -3- (4 Nm).
- Remove the clips -4- at the bottom of the trim panel -1- from the body mounts in the direction of -arrow-.
- Detach the trim panel from the door seal molding.
- Remove the trim panel -1- from the upper mount.

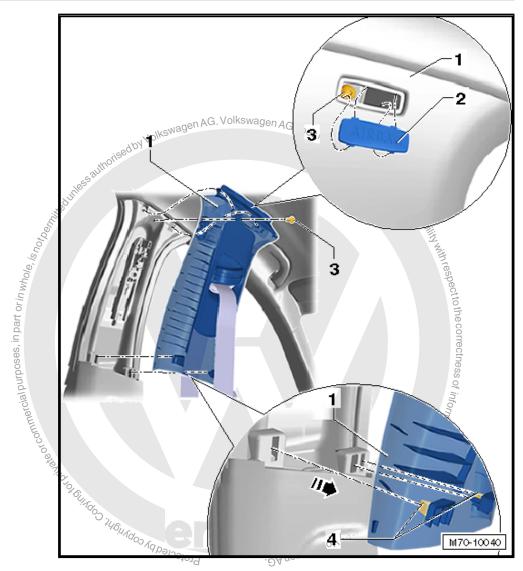


Securing



Note

- Check all the fasteners for damage and replace if necessary.
- When installing, the seat belt height adjuster mount and the button in the trim panel must be in the same position.
- The »airbag« emblem -1- must be replaced.
- Make sure that the trim panel is inside the door seal molding after installing.
- Install in reverse order of removal.



4.6 B-Pillar Upper Trim Panel, Removing and Installing

Special tools and workshop equipment required

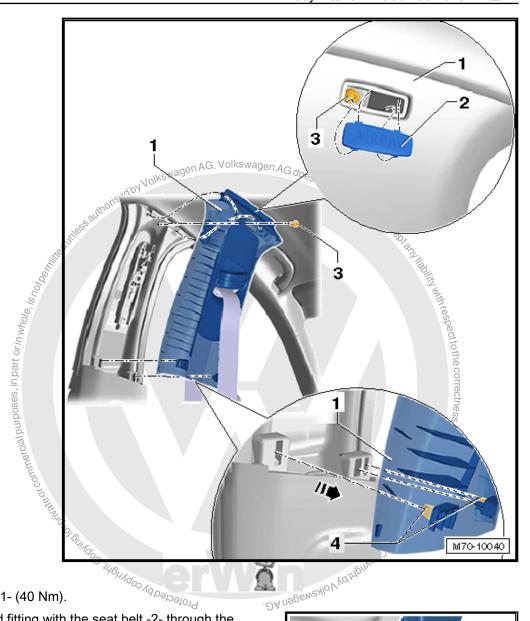
Trim Removal Wedge - 3409-



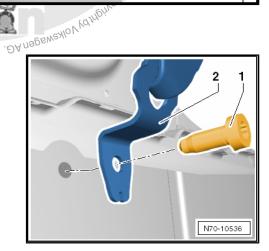
Note

The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.

- Remove the »Airbag« emblem -1- and the screw -3- (4 Nm).
- Remove the clips -4- at the bottom of the trim panel -1- from the body mounts in the direction of -arrow-.
- Detach the trim panel from the door seal molding.
- Remove the trim panel -1- from the upper mount.



- Remove the bolt -1- (40 Nm).
- Guide the belt end fitting with the seat belt -2- through the opening in the trim.







Note

- Check all the fasteners for damage and replace if necessary.
- When installing, the seat belt height adjuster mount and the button in the trim panel must be in the same position.
- The »airbag« emblem -1- must be replaced.
- Make sure that the trim panel is inside the door seal molding after installing.
- Install in reverse order of removal.



B-Pillar Lower Trim Panel, Removing 4.7 and Installing

Special tools and workshop equipment required

Trim Removal Wedge - 3409-



Note

The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.

- Turn off the ignition in the

 Remove the sill panel. Refer to

 ⇒ "4.9 Sill Panel, Removing and Installing", page ∠1.

 Detach the B-pillar upper trim panel. Refer to

 ⇒ "4.5 B-Pillar Upper Trim Panel, Detaching and Fastening", page 204

 The color of the beautiful panel and the pane

- If the vehicle has interior monitoring, disconnect the wiring harness from the Interior Monitoring Switch E183- .



- Install in reverse order of removal.



Note

- Check all the fasteners for damage and replace if necessary.
- Make sure that the trim panel is inside the door seal molding after installing.

C-Pillar Trim Panel, Removing and In-4.8 stalling

Special tools and workshop equipment required

◆ Trim Removal Wedge - 3409-



Note

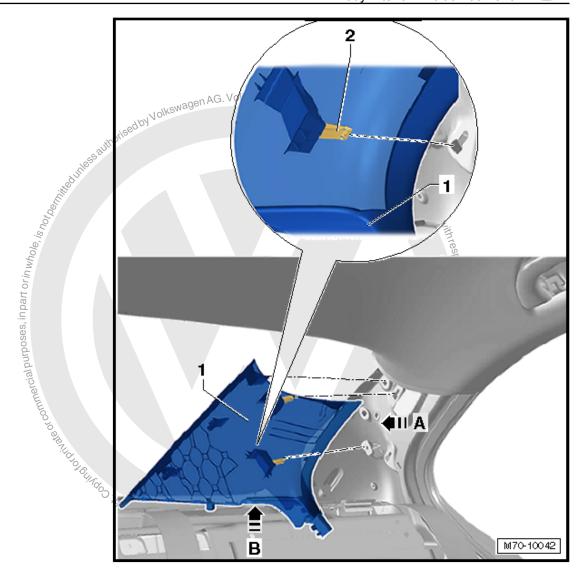
The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is Protected by co identical.



- Remove the wheel housing trim:
- Wheel housing trim without thorax airbag. Refer to ⇒ "4.11 Wheel Housing Trim, Removing and Installing, Vehicles without Thorax Airbag", page 214.
- Wheel housing trim with thorax airbag. Refer to \Rightarrow "4.10 Wheel Housing Trim, Removing and Installing, Vehicles with Thorax Airbag", page 213
- Loosen the clips -2- in the trim -1- from the mounts in direction of -arrow A-. Remove the trim from the door seal molding.
- Remove the trim -1- from the rear shelf in direction of -arrow B-.







Install in reverse order of removal.



Note

- Check all the fasteners for damage and replace if necessary.
- Make sure that the trim panel is inside the door seal molding after installing.

Sill Panel, Removing and Installing 4.9

Special tools and workshop equipment required

- ♦ Wedge Set T10383-
- Trim Removal Wedge 3409-



Note

The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.

- Remove the wheel housing trim:
- Wheel housing trim without thorax airbag. Refer to ⇒ "4.10 Wheel Housing Trim, Removing and Installing, Vehicles with Thorax Airbag", page 213 .
- Wheel housing trim with thorax airbag. Refer to ⇒ "4.11 Wheel Housing Trim, Removing and Installing, Vehicles without Thorax Airbag", page 214.
- Remove the nut -4-.
- Remove the sill panel -3- from the front of the side sill and from the door seal molding.
- Loosen the guides -2- on the sill panel -3- from the B-pillar lower trim panel.
- Remove the sill panel -3- from the back of the side sill and from the door seal molding.
- Guide the seat belt -1- through the opening on the sill panel



Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

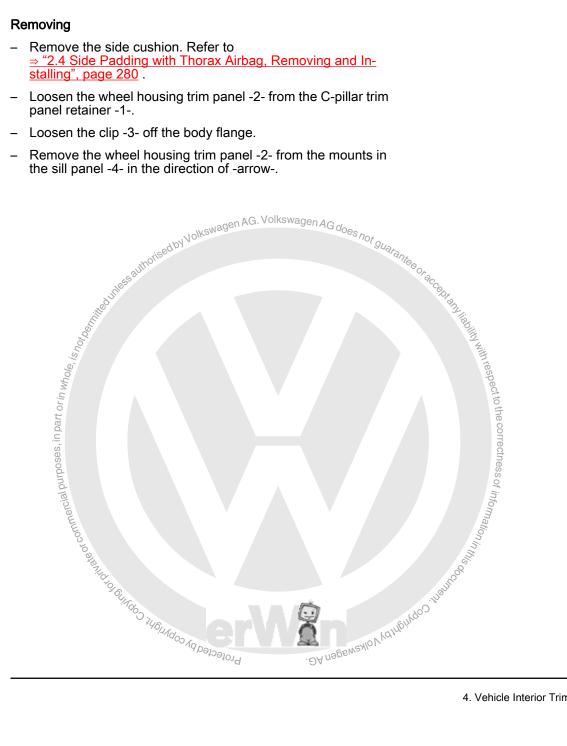
4.10 Wheel Housing Trim, Removing and Installing, Vehicles with Thorax Airbag



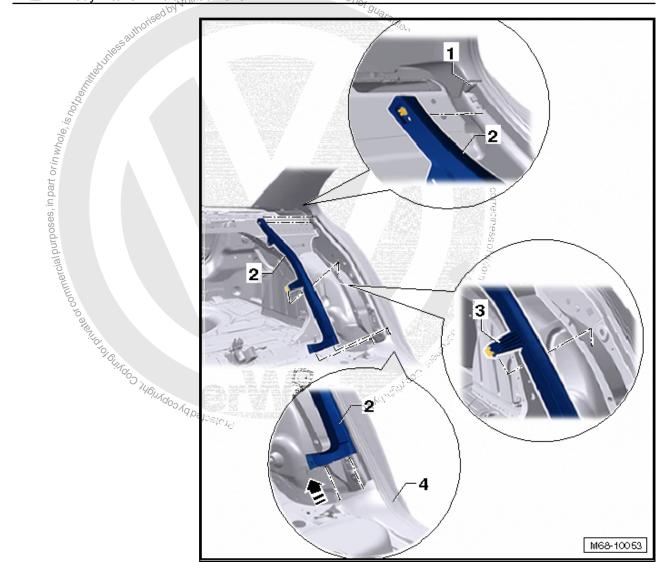
Note

The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.

- Remove the side cushion. Refer to ⇒ "2.4 Side Padding with Thorax Airbag, Removing and Installing", page 280 .
- Loosen the wheel housing trim panel -2- from the C-pillar trim panel retainer -1-.
- Loosen the clip -3- off the body flange.
- Remove the wheel housing trim panel -2- from the mounts in the sill panel -4- in the direction of -arrow-.







Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

4.11 Wheel Housing Trim, Removing and Installing, Vehicles without Thorax Airbag

Special tools and workshop equipment required

♦ Trim Removal Wedge - 3409-

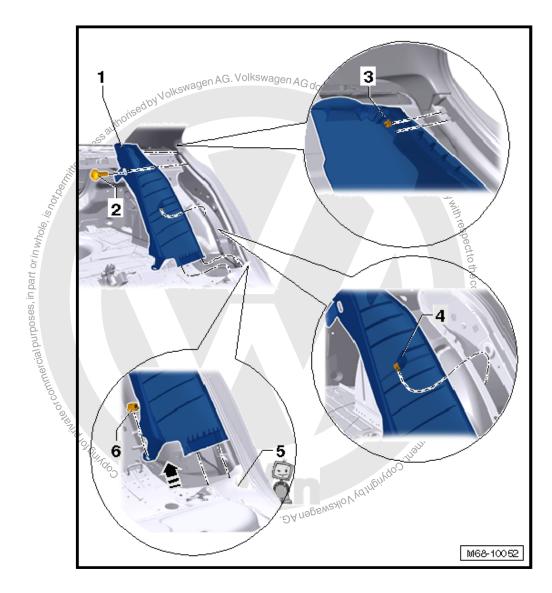


Note

The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.

Removing

- Remove the bench seat. Refer to ⇒ "2.1 Rear Bench Seat, Removing and Installing", page 275.
- Fold the backrest forward.
- Remove the nut -6- (8 Nm).
- Open the cap and remove the screw -2- (2.5 Nm).
- Loosen the wheel housing trim panel -1- from the C-pillar trim panel retainer -3-.
- Loosen the clamp -4- from the body flange.
- Remove the wheel housing trim panel -1- from the mounts in the sill panel -5- in the direction of the -arrow-.



Installing

Install in reverse order of removal.



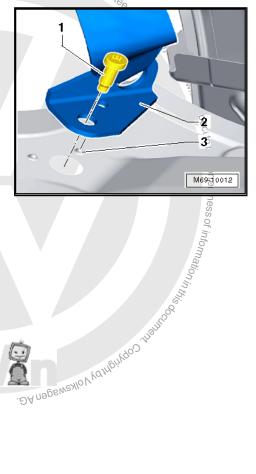


Note

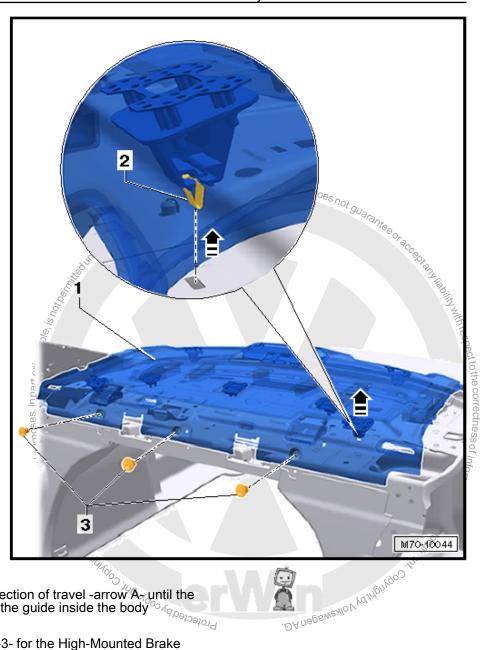
Check all the fasteners for damage and replace if necessary.

4.12 Rear Shelf, Removing and Installing

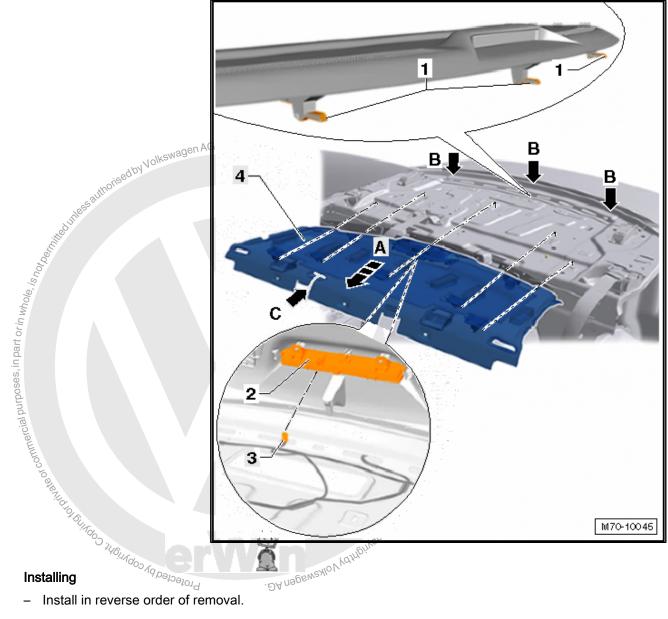
- Remove the left and right C-pillar trim panel. Refer to ⇒ "4.8 C-Pillar Trim Panel, Removing and Installing",
- Remove the bolt -1- on both sides (40 Nm). dby Volkewar
- Remove the belt end fitting on both sides -2- from the locking



- urposes, in part or in whole, is not bey Remove the clips -3-.
- Unclip the clips -2-. Pull the rear shelf -1- in direction of Disputed by Golf Buildo Albundoo Vd beloelord -arrow-.



- Pull the rear shelf -4- in direction of travel -arrow Ar until the guide pins -1- come out of the guide inside the body of the body of the guide inside the gui
- Disconnect the connector -3- for the High-Mounted Brake Lamp Bulb - M25- -2-.
- Guide the left and right outer belt end fitting out of the side belt guides in the rear shelf.
- Guide the center seat belt out of the opening -arrow C- in the rear shelf.
- Remove the rear shelf -4- from the vehicle.



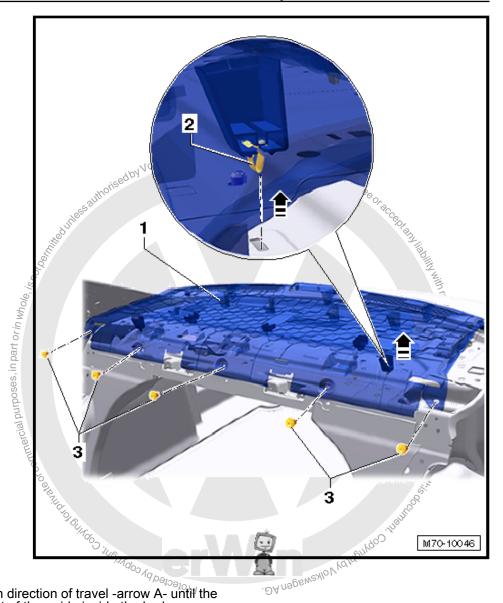
- Install in reverse order of removal.



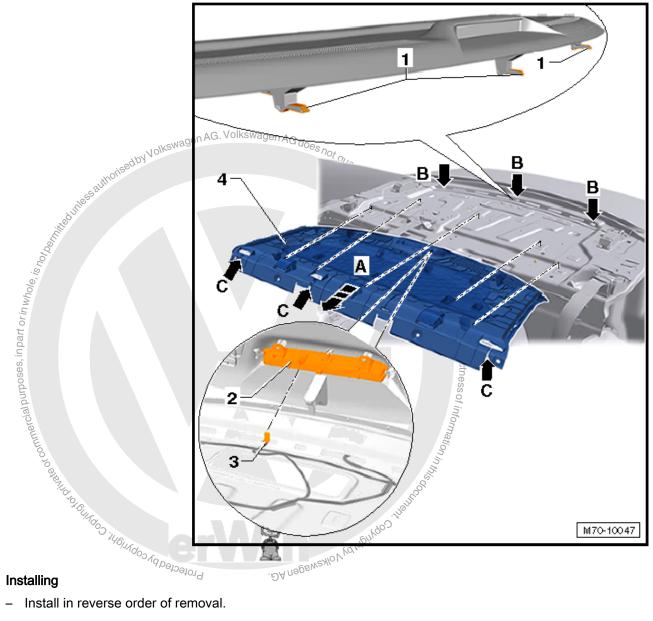
Check all the fasteners for damage and replace if necessary.

4.13 Rear Shelf, Removing and Installing

- Remove the left and right C-pillar trim panel. Refer to \Rightarrow "4.8 C-Pillar Trim Panel, Removing and Installing", page 210
- Remove the clips -3-.
- Unclip the clips -2-. Pull the rear shelf -1- in direction of -arrow-.



- Pull the rear shelf -4- in direction of travel -arrow A- until the guide pins -1- come out of the guide inside the body -arrow B-.
- Disconnect the connector -3- for the High-Mounted Brake Lamp Bulb M25- -2-.
- Guide the left, right and center outer seat belts out of the openings -arrow C- in the rear shelf.
- Remove the rear shelf -4- from the vehicle.



- Install in reverse order of removal.



Check all the fasteners for damage and replace if necessary.

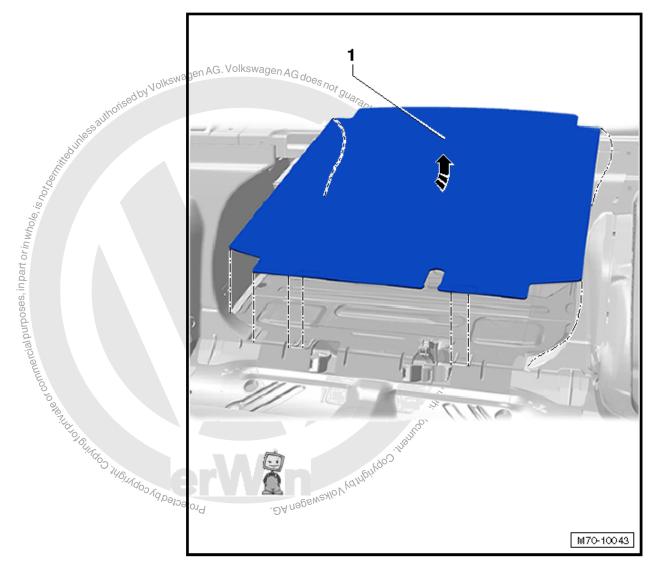
5 **Luggage Compartment Trim Panels**

- ⇒ "5.1 Luggage Compartment Carpet, Removing and Installing", page 221
- ⇒ "5.2 Luggage Compartment Carpet, Removing and Installing, Hybrid", page 222
- ⇒ "5.3 Rear Lid End Panel Trim Panel, Removing and Installing", page 223
- ⇒ "5.4 High-Voltage Battery Cover, Removing and Installing, Hybrid", page 225
- ⇒ "5.5 Luggage Compartment Side Trim Panel, Removing and Installing", page 226
- ⇒ "5.6 Luggage Compartment Side Trim Panel, Removing and Installing, Hybrid", page 228
- ⇒ "5.7 Rear Lid Trim Panel, Removing and Installing", page 231

5.1 Luggage Compartment Carpet, Removing and Installing

- Remove the bench seat. Refer to ⇒ "2.1 Rear Bench Seat, Removing and Installing", page 275.
- Unlock the backrest and fold it forward.
- Remove the luggage compartment carpet from the luggage Protected by copyright compartment -1- in direction of -arrow-.





- Install in reverse order of removal.

Luggage Compartment Carpet, Remov-5.2 ing and Installing, Hybrid

Removing

Remove the luggage compartment carpet from the luggage compartment -1- in direction of -arrow-.



- Install in reverse order of removal.

5.3 Rear Lid End Panel Trim Panel, Remov-Protectedby ing and Installing

Special tools and workshop equipment required

◆ Trim Removal Wedge - 3409-

Removing

Fold up the luggage compartment carpet and support it.



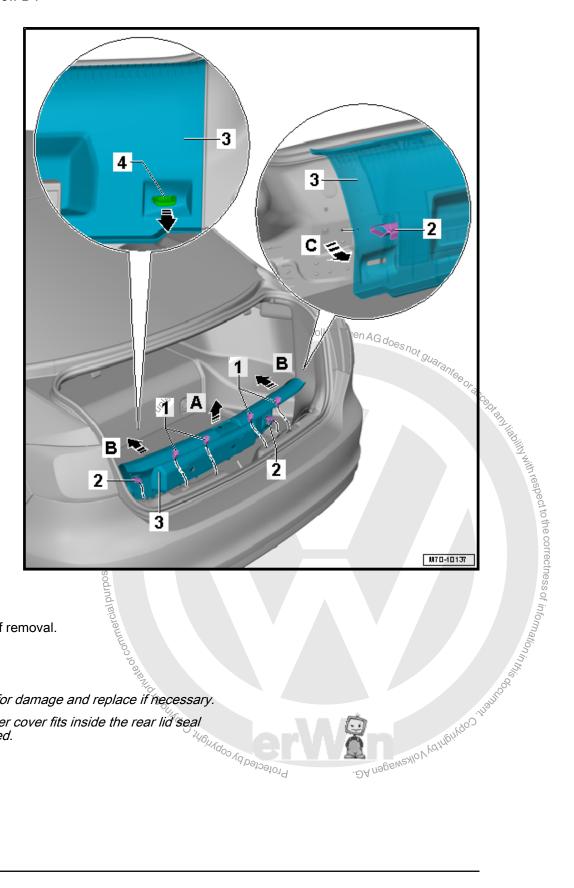
Note

Removing the luggage compartment carpet on a hybrid vehicle. Refer to *⇒ "5.2 Luggage Compartment Carpet, Removing and Installing, Hybrid", page 222* .

- Remove the left and right clips -2- in direction of -arrow Cusing Trim Removal Wedge - 3409- .
- Pull the rear lid end panel trim panel -3- off the tie down -4- in direction of -arrow-.



- Pull the rear lid end panel trim panel -3- in direction of -arrow A-. Unclip the clips -1- using the Trim Removal Wedge - 3409- .
- Remove the rear lid end panel trim panel -3- from the lock carrier in direction of -arrow B-.



Install in reverse order of removal.



Note

- Check all the fasteners for damage and replace if necessary.
- Make sure the lock carrier cover fits inside the rear lid seal molding after it is installed. Protected by copyright,

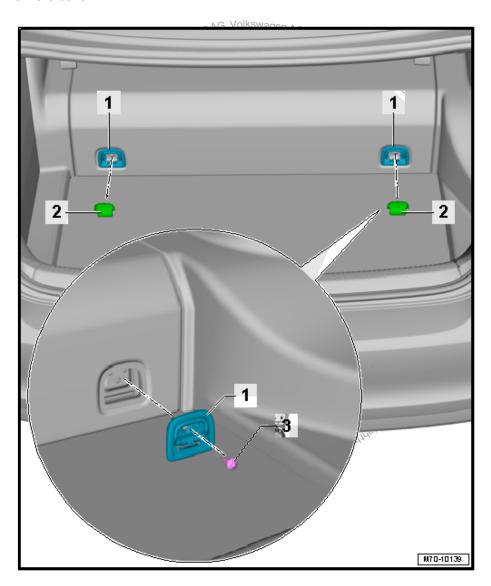
5.4 High-Voltage Battery Cover, Removing and Installing, Hybrid



WARNING

Follow all safety precautions when working on a hybrid vehicle. Refer to ⇒ Electrical System Hybrid; Rep. Gr. 93; High Voltage System General Warnings .

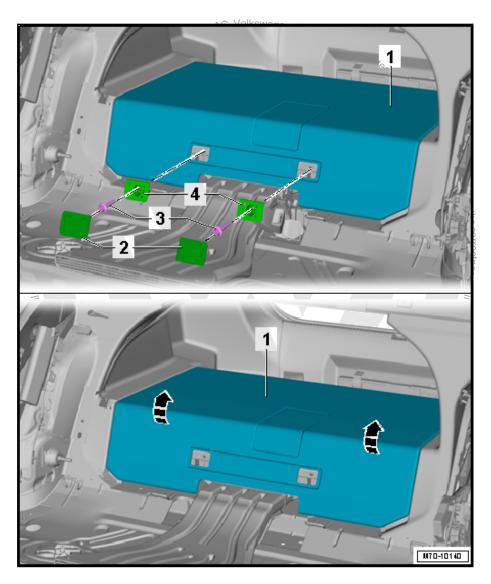
- Remove the caps -2-.
- Remove the bolts -3- (20 Nm).
- Remove the tie downs -1- from the cover.



- Fold the rear backrest all the way down.
- Remove the caps -2-.
- Remove the bolts -3- (3.5 Nm).
- Remove the bracket -4- from the cover.



Remove the high-voltage battery cover -1- from the luggage compartment in direction of -arrow-.



Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

Luggage Compartment Side Trim Pan-5.5 el, Removing and Installing

Special tools and workshop equipment required

♦ Window Release Tool - T10236-



Note

- The following describes the removing and installing on the left side of the vehicle. Removing and installing on the right side is identical.
- ial
 Lial
 W-. Detach

 Inect any
 1-2- from the

 The side trim panel -2-The service door's located in the right luggage compartment side trim panel on vehicles with SCR (Selective Catalytic Reduction) filling. Removing and installing for these vehicles is identical.

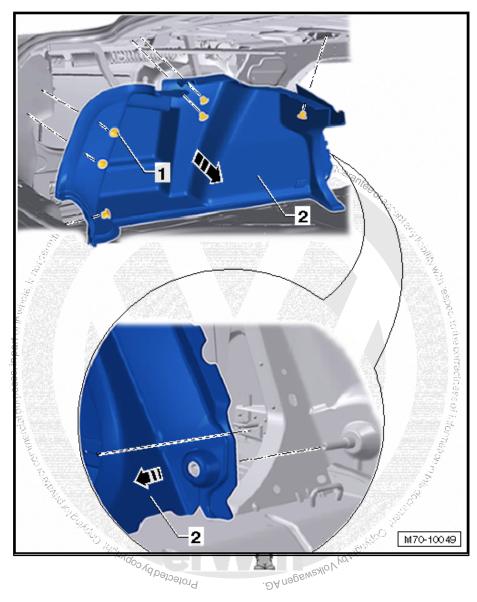
Removing

- Switch off the ignition.
- Remove the luggage compartment carpet. Refer to ⇒ "5Ճ Luggage Compartment Carpet, Removing and Instal-<u>ling"등page 221</u> .
- Remove the backrest. Refer to ⇒ "2"2 Rear Seat Backrest, Removing and Installing", page 276.
- Remove the rear lock carrier cover. Refer to "5.3 Rear Lid End Panel Trim Panel, Removing and Installing", page 223.
- Remove the clips -1-.
- Remove the side trim panel -2- in direction of -arrow-. Detach the side trim panel from the rear lid seal molding.
- Depending on the vehicle equipment level, disconnect any wiring harnesses and remove the side trim panel -2- from the Protected by copyrigh vehicle.



Note

The rear wheel housing trim can remain installed. ○ The side trim panel -2- can be pulled down carefully.



Install in reverse order of removal.



Note

- Check all the fasteners for damage and replace if necessary.
- Make sure the side trim panel fits inside the rear lid seal when installing.

Luggage Compartment Side Trim Pan-5.6 el, Removing and Installing, Hybrid

Special tools and workshop equipment required

♦ Window Release Tool - T10236-



WARNING

Follow all safety precautions when working on a hybrid vehicle. Refer to ⇒ Electrical System Hybrid; Rep. Gr. 93; High Voltage System General Warnings .

Removing

- Switch off the ignition.
- Remove the luggage compartment carpet (hybrid). Refer to ⇒ "5.1 Luggage Compartment Carpet, Removing and Installing", page 221
- Remove the cover for the high-voltage battery (hybrid). Refer to ⇒ "5.4 High-Voltage Battery Cover, Removing and Installing, Hybrid", page 225
- Remove the rear lock carrier cover. Refer to ⇒ "5.3 Rear Lid End Panel Trim Panel, Removing and Installing", page 223

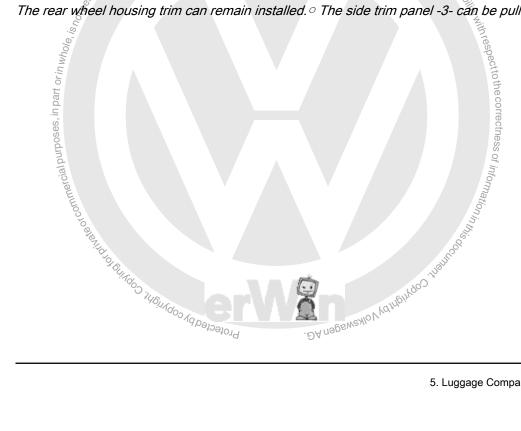
Left Luggage Compartment Side Trim Panel, Removing:

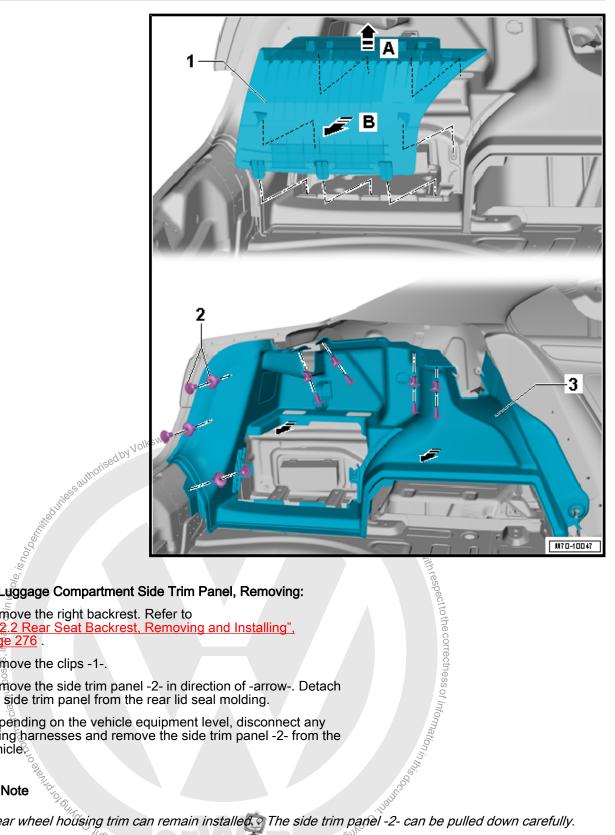
- Remove the left backrest. Refer to ⇒ "2.2 Rear Seat Backrest, Removing and Installing", page 276.
- Pull the battery cover -1- up in direction of -arrow A- and then remove it from the side trim panel in direction of -arrow B-.
- Remove the clips -2-.
- Remove the side trim panel -3- in the direction of the -arrow-. Detach the side trim panel from the rear lid seal molding.
- Depending on the vehicle equipment level, disconnect any wiring harnesses and remove the side trim panel -3- from the national and the side trim panel -3- from



Note

The rear wheel housing trim can remain installed. ○ The side trim panel -3- can be pulled down carefully.





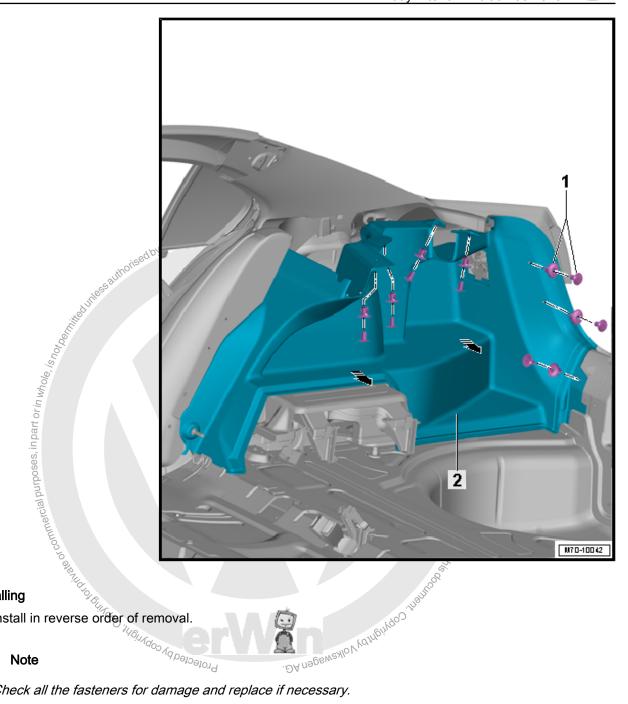
Right Luggage Compartment Side Trim Panel, Removing:

- Remove the right backrest. Refer to ⇒ "2.2 Rear Seat Backrest, Removing and Installing", page 276
- Remove the clips -1-.
- Remove the side trim panel -2- in direction of -arrow-. Detach the side trim panel from the rear lid seal molding.
- Depending on the vehicle equipment level, disconnect any wiring harnesses and remove the side trim panel -2- from the vehicle



Note

The rear wheel housing trim can remain installed of The side trim panel -2- can be pulled down carefully. Protected by copying h .ĐA negswexloV Valrigi



- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

Protected by copy,

Make sure the side trim panels fit inside the rear lid seal when installing.

5.7 Rear Lid Trim Panel, Removing and Installing

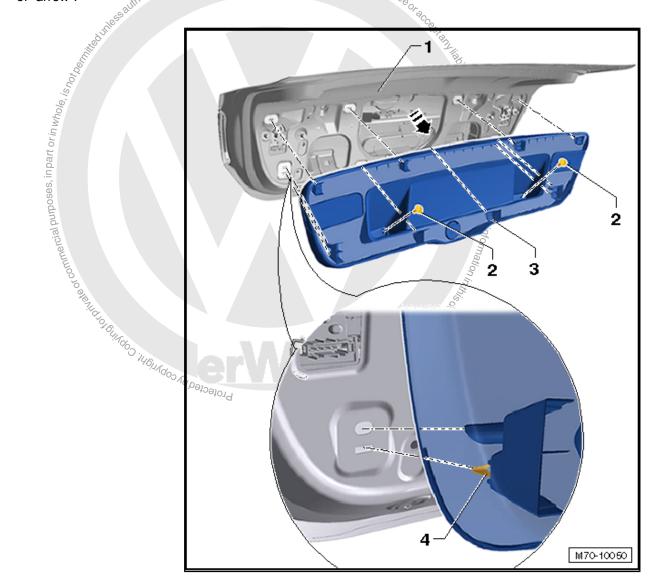
Special tools and workshop equipment required

- ♦ Wedge Set T10383-
- ♦ Torque Wrench 1783 2-10Nm VAG1783-

- Remove the bolts -2- from the grip recesses (2 Nm).
- Loosen the clips -4- on the trim panel -3- from the mounts in the rear lid using the -T10383- .



Remove the trim panel 30 from the rear lid -1- in the direction of -arrow-.



Installing

Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

6

- ⇒ "6.1 Headliner, Detaching and Fastening", page 233
- ⇒ "6.2 Headliner, Removing and Installing", page 235
- ⇒ "6.3 Noise Insulation and Roof Reinforcement, Removing and Installing", page 240

6.1

Special tools and workshop equipment required

- ♦ Trim Removal Wedge 3409-
- ◆ Torque Wrench 1783 2-10Nm VAG1783-

Loosening

- If equipped, open the sliding/tilting sunroof.
- Switch off the ignition.

Vehicles with Interior Rearview Mirror and Rain Sensor

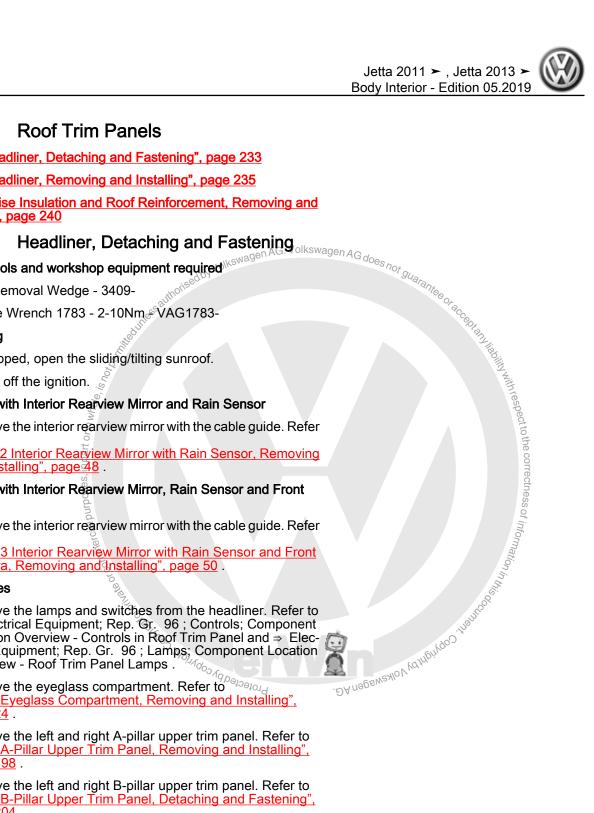
Remove the interior rearview mirror with the cable guide. Refer ⇒ "4.2.2 Interior Rearview Mirror with Rain Sensor, Removing and Installing", page 48.

Vehicles with Interior Rearview Mirror, Rain Sensor and Front Camera

Remove the interior rearview mirror with the cable guide. Refer to "4.2.3 Interior Rearview Mirror with Rain Sensor and Front Camera, Removing and Installing", page 50.

All Vehicles

- Remove the lamps and switches from the headliner. Refer to ⇒ Electrical Equipment; Rep. Gr. 96; Controls; Component Location Overview - Controls in Roof Trim Panel and ⇒ Electrical Equipment; Rep. Gr. 96; Lamps; Component Location Overview - Roof Trim Panel Lamps .
- Remove the eyeglass compartment. Refer to ⇒ "1.7 Eyeglass Compartment, Removing and Installing",
- Remove the left and right A-pillar upper trim panel. Refer to ⇒ "4.1 A-Pillar Upper Trim Panel, Removing and Installing",
- Remove the left and right B-pillar upper trim panel. Refer to ⇒ "4.5 B-Pillar Upper Trim Panel, Detaching and Fastening", page 204.
- Remove the left and right C-pillar trim panel. Refer to ⇒ "4.8 C-Pillar Trim Panel, Removing and Installing", page 210.
- Remove the left and right sun visors with sun visor mounts. Refer to
 - ⇒ "2.1 Sun Visor, Removing and Installing", page 26.
- Remove the left and right grab handles (roof). Refer to ⇒ "2.2 Roof Grab Handle, Removing and Installing", page 27.
- Remove the screws -4- from the frame (2 Nm).
- Loosen the clips -3- carefully off the rear roof crossmember -2-





Unhook the clips -5- from the front roof crossmember -6-.



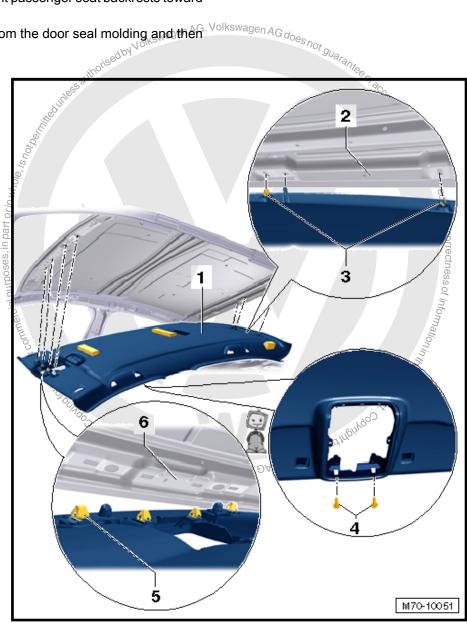
Note

Always replace the clips -5-.

Fold the driver seat and front passenger seat backrests toward

Detach the headliner -1- from the door seal molding and then





Vehicles with Sliding/Tilting Sunroof

- Slide the Trim Release Lever Wedge -T10039/1- between the frame -1- and the headliner -2-.
- Separate the frame -1- from the headliner -2- all the way around using the -T10039- .
- Remove the screws -5- from the frame (2 Nm).
- Loosen the clips from the from the rear roof crossmember -3-.

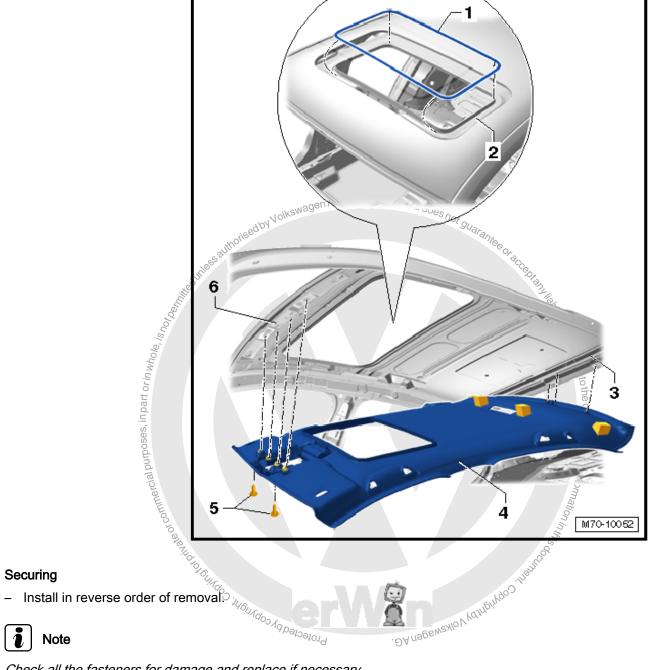
Loosen the clips from the from the front roof crossmember



Note

Always replace the clips.

Loosen the headliner -4- from the door seal molding and then





Check all the fasteners for damage and replace if necessary.

6.2 Headliner, Removing and Installing

Special tools and workshop equipment required



Removing

Vehicles with Interior Rearview Mirror and Rain Sensor

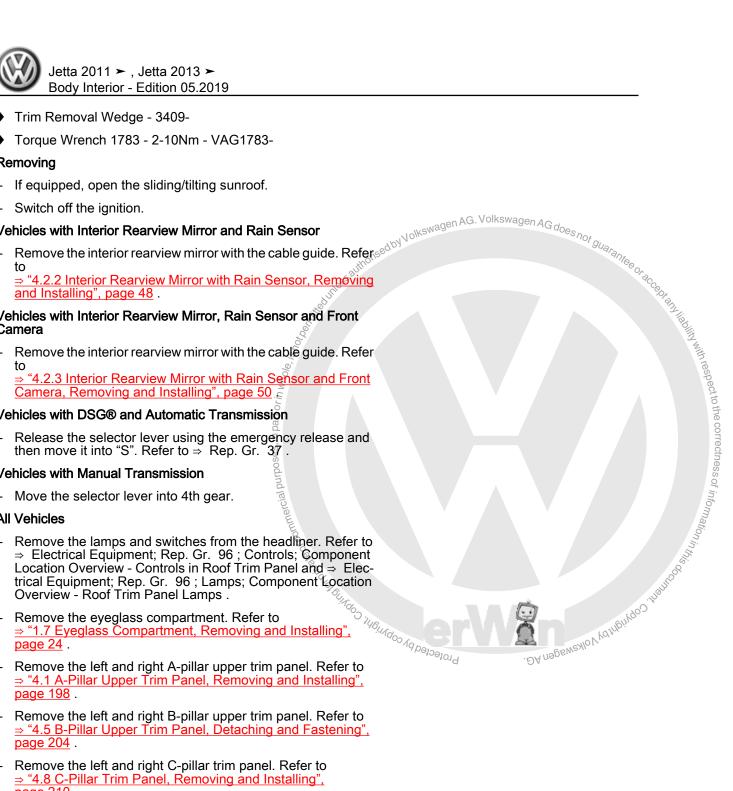
Vehicles with Interior Rearview Mirror, Rain Sensor and Front Camera

Vehicles with DSG® and Automatic Transmission

Vehicles with Manual Transmission

All Vehicles

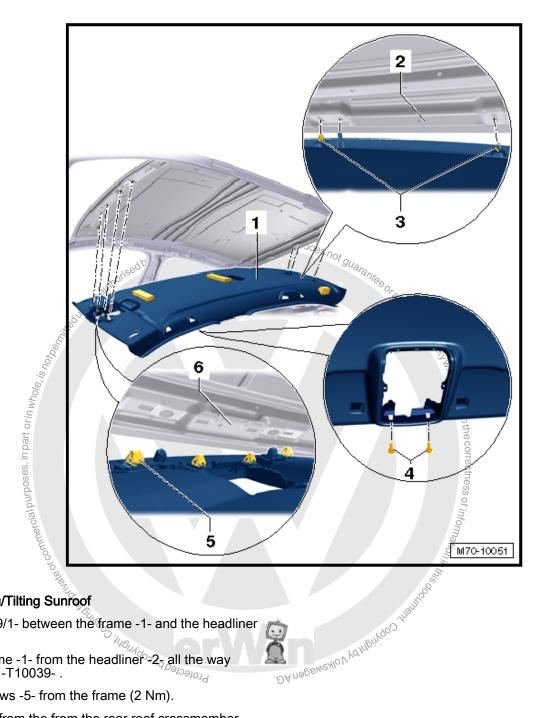
- Remove the left and right C-pillar trim panel. Refer to ⇒ "4.8 C-Pillar Trim Panel, Removing and Installing",
- Remove the left and right sun visors with sun visor mounts. Refer to
 - "2.1 Sun Visor, Removing and Installing", page 26.
- Remove the left and right grab handles (roof). Refer to ⇒ "2.2 Roof Grab Handle, Removing and Installing", <u>page 27</u>.
- Remove the front passenger seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253
- Fold the driver seat backrest to the rear.
- Remove the screws -4- from the frame (2 Nm).
- Loosen the clips -3- carefully off the rear roof crossmember
- Unhook the clips -5- from the front roof crossmember -6-.





Always replace the clips -5-.

- Detach the headliner -1- from the door seal molding and then lower it.
- Remove the headliner -1- through the right rear door and out of the vehicle.



Vehicles with Sliding/Tilting Sunroof

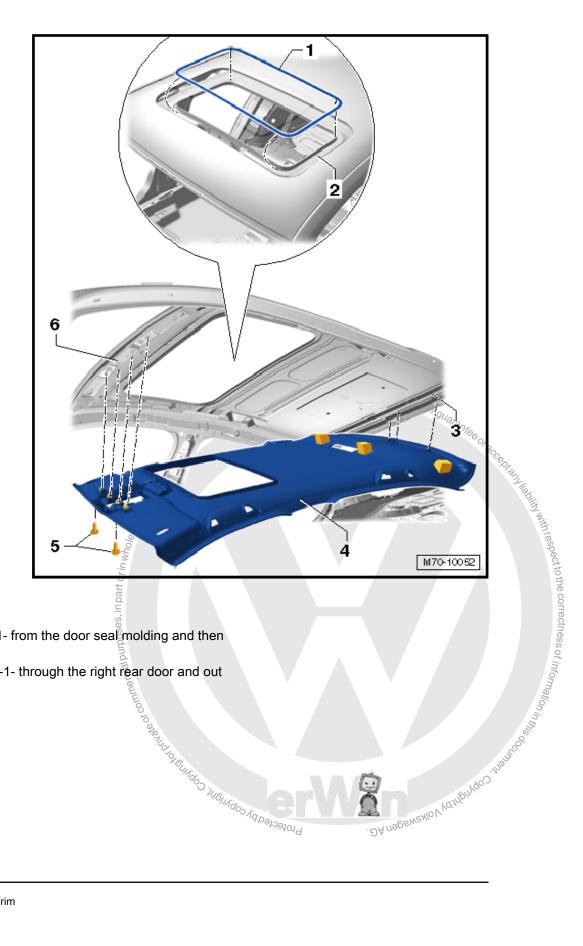
- Slide the -T10039/1- between the frame -1- and the headliner
- Separate the frame -1- from the headline 27 all the way around using the -T10039- . Protect
- Remove the screws -5- from the frame (2 Nm).
- Loosen the clips from the from the rear roof crossmember
- Loosen the clips from the from the front roof crossmember





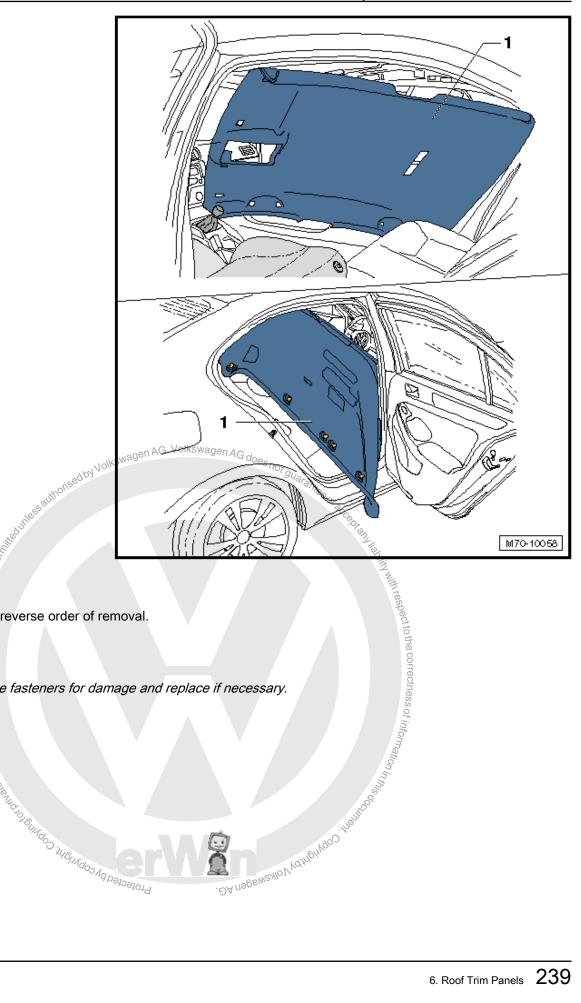
Note

Always replace the clips.



All Vehicles

- Detach the headliner -1- from the door sea molding and then
- Remove the headliner -1- through the right rear door and out of the vehicle.



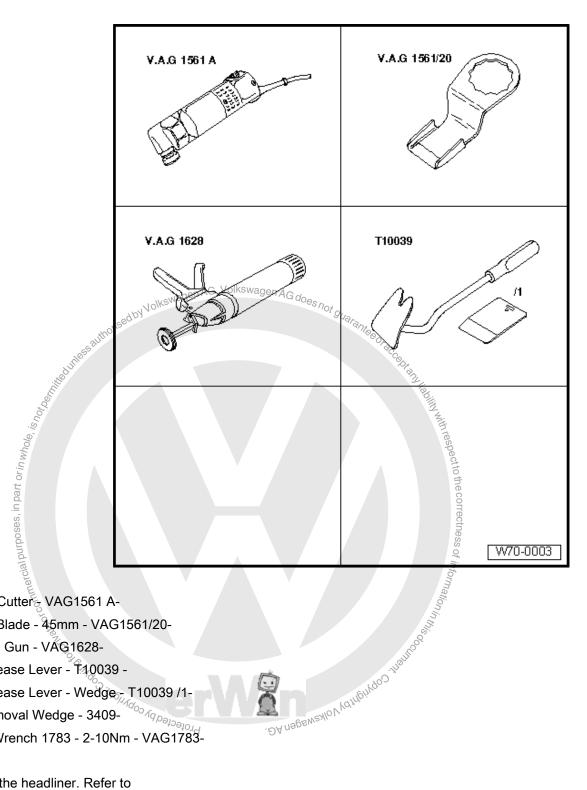
Installing - Install in reverse order of removal.



Note

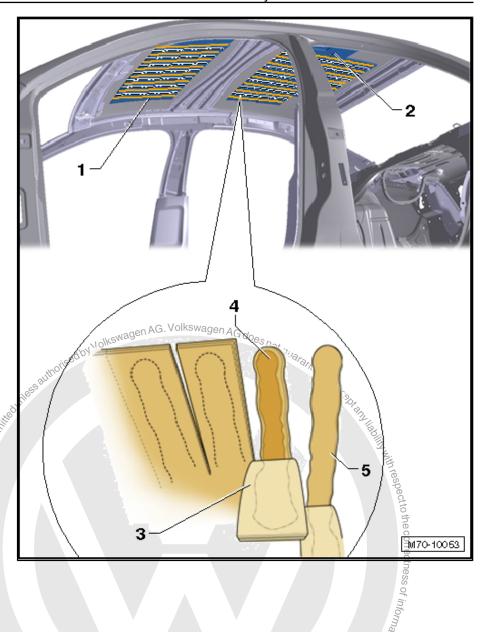
Check all the fasteners for damage and replace if necessary. Protected by copyright, Copyright

Noise Insulation and Roof Reinforcement, Removing and Installing 6.3



- Window Cutter VAG1561 A-
- Scraper Blade 45mm VAG1561/20-
- Cartridge Gun VAG1628-
- Trim Release Lever T10039 -
- Trim Release Lever Wedge T10039 /1-
- Trim Removal Wedge 3409-
- Torque Wrench 1783 2-10Nm VAG1783-

- Remove the headliner. Refer to ⇒ "6.2 Headliner, Removing and Installing", page 235.
- Cut the noise insulation/roof reinforcements -1 and 2- with a carpet knife in strips -3- approximately 6 cm wide -broken lines-.
- Remove the strips -3- from the roof.
- Cut back the excess adhesive -4- using the -VAG1561A- and the -VAG1561/20- -5-.





Note

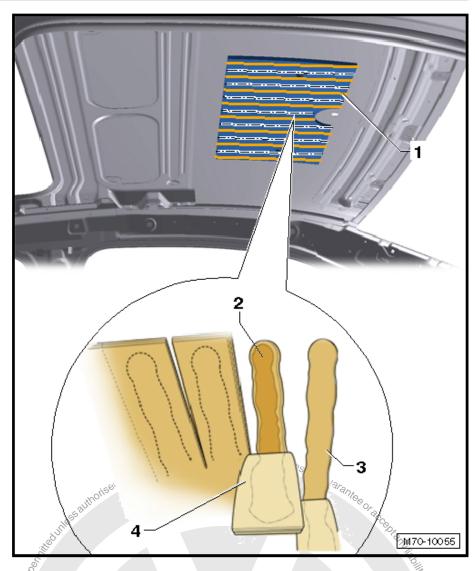
If paint structure was damaged while removing roof insulation/reinforcements, paint damage must be repaired according to the specifications in the Paint Repair Manual. Southert Copyright by Volkswagen AG.

Vehicles with Sliding/Tilting Sunroof

Remove the headliner. Refer to 3 3 4 6.2 Headliner, Removing and Installing", page 235

rcial purposes, in part or in whole, ishof_{be,}

- Cut the noise insulation/roof reinforcements -1- into strips -4-, approximately 6 cm wide, with a carpet knife -broken lines-.
- Remove the strips -4- from the roof.
- Cut back the excess adhesive -2- using the -VAG1561A- and the -VAG1561/20- -3-.





Note

DA nageweako Veringo o into was a sent of into was a sent of or into was a sent or into was a sent of or into was a sent or into was a s If paint structure was damaged while removing roof insulation/reinforcements, paint damage must be repaired according to the specifications in the Paint Repair Manual.

Installing



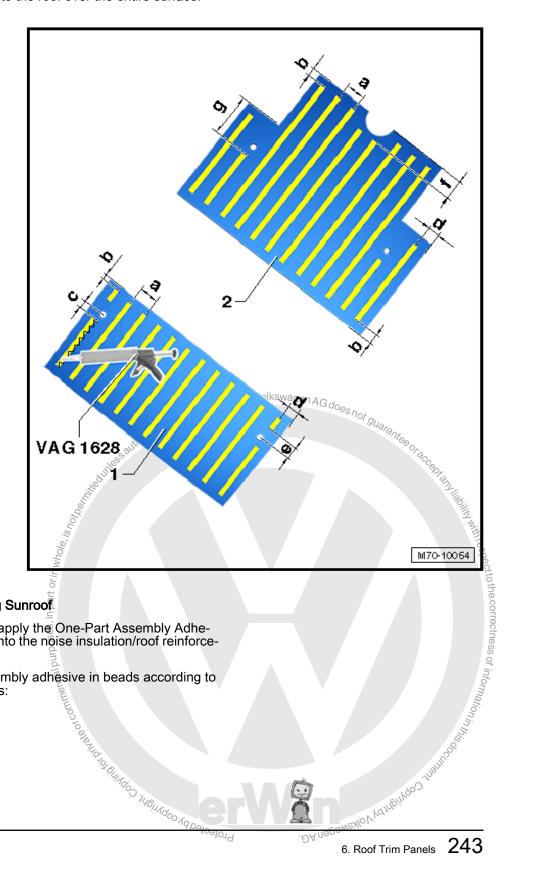
Note

Processing instructions of adhesive must be observed when installing roof insulation/reinforcements.

- Apply One-Part Assembly Adhesive D 190 MKD A3- to the insulation/roof reinforcements -1 and 2- using the -VAG1628-.
- Apply the one-part assembly adhesive in beads according to the following dimensions: Protected by copyright, co
- Dimension -a- = 61 mm
- Dimension -b- = 25 mm
- Dimension -c- = 34 mm



- ♦ Dimension -d- = 33 mm
- Dimension -e- = 35 mm
- Dimension -f- = 65 mm
- Dimension -g- = 129 mm
- From inside the vehicle, press the noise insulation/roof reinforcements -1 and 2- onto the roof over the entire surface.

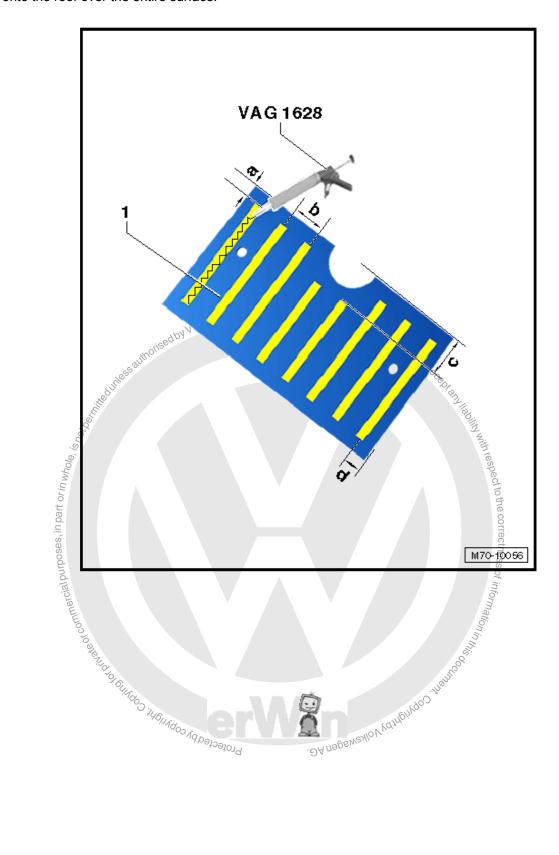


Vehicles with Sliding/Tilting Sunroof

- Using the -VAG1628- , apply the One-Part Assembly Adhesive D 190 MKD A3- onto the noise insulation/roof reinforce-
- Apply the one-part assembly adhesive in beads according to the following dimensions:
- ♦ Dimension -a- = 25 mm
- Dimension -b- = 61 mm
- Dimension -c- = 70 mm
- Dimension -d- = 33 mm

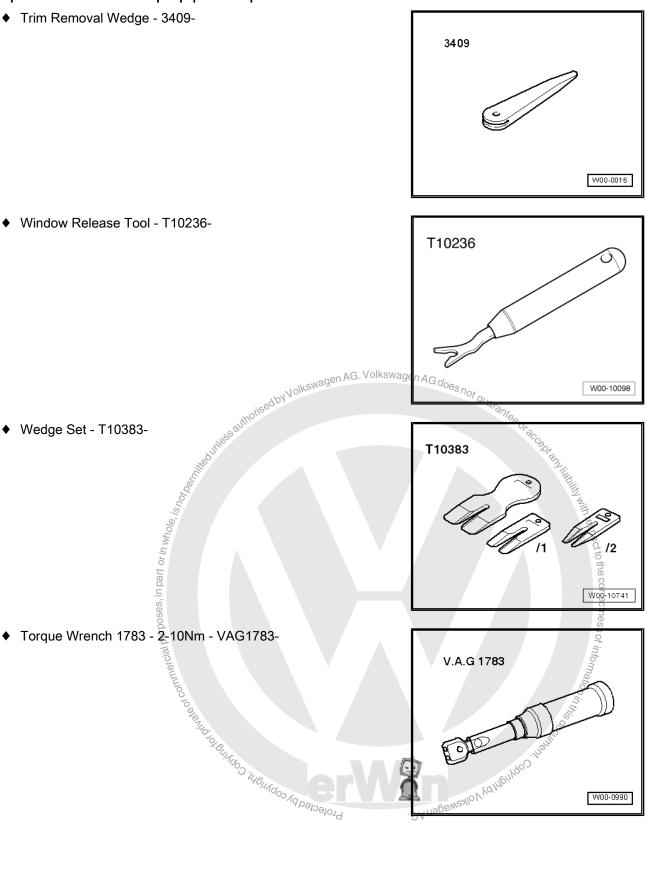


From inside the vehicle, press the noise insulation/roof reinforcements -1- onto the roof over the entire surface.



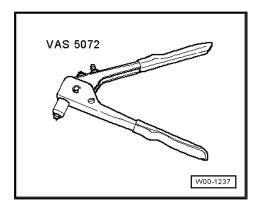
Special Tools 7

Special tools and workshop equipment required





Pop Rivet Pliers - VAS5072-





72 – Seat Frames

Front Seats

- ⇒ "1.1 Overview Front Seat", page 247
- ⇒ "1.2 Overview Seat Pan", page 251
- ⇒ "1.3 Overview Seat Height Adjuster", page 253
- ⇒ "1.4 Front Seat, Removing and Installing", page 253
- ⇒ "1.5 Backrest Adjustment Lever, Removing And Installing", page 257
- "1.6 Lumbar Adjustment Lever, Removing and Installing", page
- ⇒ "1.7 Left Seat Trim Panel without Height Adjustment, Removing and Installing", page 258
- ⇒ "1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing", page 260
- ⇒ "1.9 Left Seat Trim Panel with Power Height Adjustment, Re-Protected by copyright moving and Installing", page 261
- ⇒ "1.10 Right Seat Trim Panel, Removing and Installing", page 263
- ⇒ "1.11 Front Seat Drawer with Mount, Removing and Installing",
- ⇒ "1.12 Front Seat Bracket and Release Lever, Removing and Installing", page 265
- ⇒ "1.13 Power Seat Bracket, Removing and Installing", page 266
- ⇒ "1.14 Headrest Guides, Removing and Installing", page 267
- ⇒ "1.15 Backrest, Removing and Installing", page 269
- ⇒ "1.16 Manual Lumbar Support, Removing and Installing", page
- ⇒ "1.17 Fire Extinguisher Bracket, Removing and Installing", page
- ⇒ "1.19 Power Seat Backrest Adjustment Motor, Removing and Installing", page 274
- 1.1 Overview - Front Seat
- ⇒ "1.1.1 Overview Manual Front Seat ", page 247
- ⇒ "1.1.2 Overview Partial Power Front Seat, NAR", page 249
- **Overview Manual Front Seat** 1.1.1



Note

The illustration shows the driver side front seat. The front seat on the front passenger side is a mirror image.



1 - Backrest

Removing and installing. Refer to
 ⇒ "1.15 Backrest, Removing and Installing",
 page 269 .

2 - Headrest

Removing and installing. Refer to
 ⇒ "1.14 Headrest
 Guides, Removing and Installing", page 267

3 - Sill-Side Seat Trim Panel

4 - Bolt

- □ 40 Nm
- Quantity: 4

5 - Cover

- For the left rear sill-side seat rail
- Loosen and remove from the seat rail by carefully releasing the retaining tabs without breaking them using a screwdriver.
- Carefully push onto the seat rail until it engages audibly

6 - Seat Height Adjuster

Overview. Refer to
 ⇒ "1.3 Overview - Seat Height Adjuster",
 page 253

☐ Seat Height Adjustment

Handle, Removing and installing. Refer to

⇒ "1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing", page 260.

7 - Backrest Adjuster

8 - Cover

- ☐ For the left front door sill side seat rail
- □ Loosen and remove from the seat rail by carefully releasing the retaining tabs without breaking them using a screwdriver.
- Carefully push onto the seat rail until it engages audibly

9 - Storage Compartment

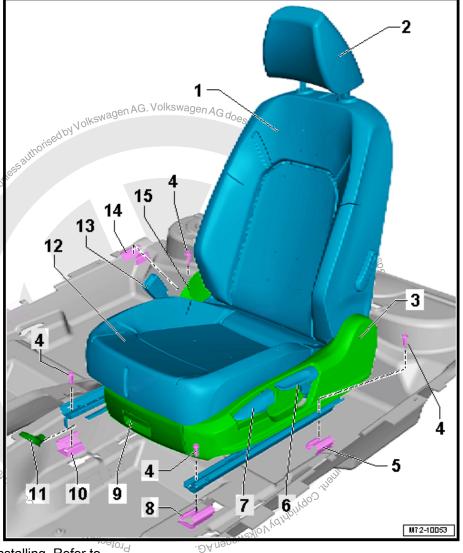
Depending on the vehicle equipment level

10 - Cover

- ☐ For the right front tunnel-side seat rail
- □ Loosen and remove from the seat rail by carefully releasing the retaining tabs without breaking them using a screwdriver.
- Carefully push onto the seat rail until it engages audibly

11 - Seat Forward/Back Adjustment Handle

- Remove by hand or separate from the handle mount using a rubber or plastic mallet.
- ☐ Hit the seat forward/back adjustment handle all the way back on using a rubber mallet. Do not damage the surface while doing so.



12 - Seat Pan

☐ Overview. Refer to ⇒ "1.2.1 Overview - Seat Pan, Manual ", page 251

Nolkswagen AG. Volkswagen AG does no

13 - Seat Belt Latch

□ Removing and installing. Refer to "1.7 Front Seat Belt with Driver/Front Passenger Seat Belt Switch E24 / E25 , Removing and Installing", <u>page 75</u>.

14 - Cover

- ☐ For the right rear tunnel-side seat rail
- ☐ Loosen and remove from the seat rail by carefully releasing the retaining tabs without breaking them using a screwdriver.
- ☐ Carefully push onto the seat rail until it engages audibly

15 - Tunnel-Side Seat Trim Panel

□ Removing and installing. Refer to ⇒ "1.10 Right Seat Trim Panel, Removing and Installing", page 263.

1.1.2 Overview - Partial Power Front Seat, NAR



Note

The illustration shows the driver side front seat. The front seat on the front passenger side is a mirror image.

1 - Backrest

Removing and installing. Refer to 1.15 Backrest, Removing and Installing", page 269 .

2 - Headrest

Removing and installing. Refer to 1.14 Headrest Guides, Removing and Installing", page 267.

3 - Sill-Side Seat Trim Panel

4 - Bolt

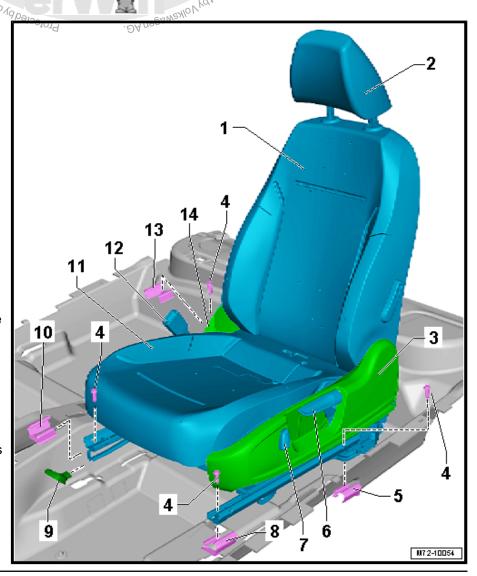
- □ 40 Nm
- Quantity: 4

5 - Cover

- ☐ For the left rear sill-side seat rail
- Loosen and remove from the seat rail by carefully releasing the retaining tabs without breaking them using a screwdriver.
- Carefully push onto the seat rail until it engages audibly

6 - Seat Height Adjuster

Overview. Refer to <u> 1.3 Overview - Seat</u> Height Adjuster", page 253



☐ Seat Height Adjustment Handle, Removing and installing. Refer to \Rightarrow "1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing", page 260 . 7 - Backrest Adjustment Button Driver Backrest Adjustment Switch - E96-8 - Cover ☐ For the left front door sill side seat rail ☐ Loosen and remove from the seat rail by carefully releasing the retaining tabs without breaking them using a screwdriver. Carefully push onto the seat rail until it engages audibly 9 - Seat Forward/Back Adjustment Handle Remove by hand or separate from the handle mount using a rubber or plastic mallet. ☐ Hit the seat forward/back adjustment handle all the way back on using a rubber mallet. Do not damage the surface while doing so. 10 - Cover ☐ For the right front tunnel-side seat rail ☐ Loosen and remove from the seat rail by carefully releasing the retaining tabs without breaking them using a screwdriver. Carefully push onto the seat rail until it engages audibly 11 - Seat Pan ☐ Overview. Refer to ⇒ "1.2.2 Overview - Seat Part, Partially Powered", page 252. 12 - Seat Belt Latch Removing and installing. Refer to \Rightarrow "1.7 Front Seat Belt with Driver/Front Passenger Seat Belt Switch E24 / E25 , Removing and linstalling" page 75. DA nageweahov to the result of the property of 13 - Cover For the right rear tunnel-side seat rail ☐ Loosen and remove from the seat rail by carefully releasing the retaining tabs without breaking them using a screwdriver. Carefully push onto the seat rail until it engages audibly 14 - Tunnel-Side Seat Trim Panel Protected by copyright Cop □ Removing and installing. Refer to ⇒ "1.10 Right Seat Trim Panel, Removing and Installing", page 263.

1.2 Overview - Seat Pan

- ⇒ "1.2.1 Overview Seat Pan, Manual ", page 251
- ⇒ "1.2.2 Overview Seat Part, Partially Powered ", page 252

Manuai Jolkswagen AG does not guarantee or 1.2.1 Overview - Seat Pan, Manual hoisedbyVolkswagen AG.



Note

The illustration shows the driver side seat pan. The seat pan on the front passenger side is a mirror image.

1 - Seat Cushion

Seat Pan Cover and Padding, Removing and installing. Refer to "1.1 Seat Pan Cover and Padding, Removing and Installing", page 286

2 - Seat Pan

3 - Bracket

☐ For the sill-side seat trim panel

4 - Bolt 💆

- □ 8 Nm
- Quantity: 4

5 - Expanding Rivet

6 - Handle

- □ For seat height adjust-
- Removing and installing. Refer to "1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing", page 260 .

7 - Handle

☐ For manual backrest adjustment

8 - Cover

9 - Seat Trim Panel

☐ Sill-side

10 - Bolt

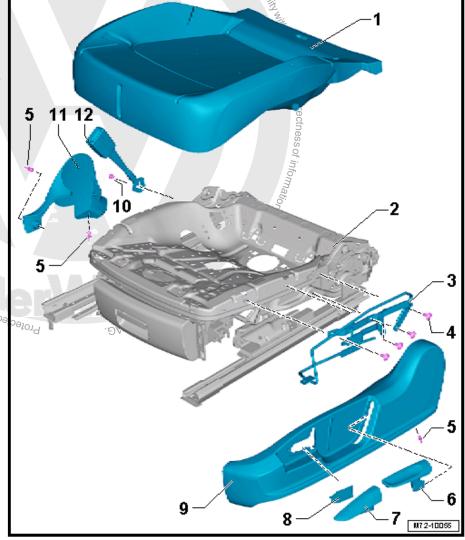
20 Nm

11 - Tunnel-Side Seat Trim Panel

□ Removing and installing. Refer to ⇒ "1.10 Right Seat Trim Panel, Removing and Installing", page 263.

12 - Seat Belt Latch

□ Removing and installing. Refer to ⇒ "1.7 Front Seat Belt with Driver/Front Passenger Seat Belt Switch E24 / E25, Removing and Installing", <u>page 75</u>.



1.2.2 Overview - Seat Part, Partially Powered **(Ially Fower od** AG. Volkswagen AG does not guarante,



Note

The illustration shows the driver side seat pan. The seat pan on the front passenger side is a mirror image.

1 - Seat Cushion

Seat Pan Cover and Padding, Removing and installing. Refer to ⇒ "1.1 Seat Pan Cover and Padding, Removing and Installing", page 286

2 - Seat Pan

3 - Bracket

☐ For the sill-side seat trim panel

oses,

4 - Bolt

- □ 8 Nm
- Quantity: 3

5 - Expanding Rivet

6 - Handle

- For seat height adjustment
- Removing and installing. Refer to ⇒ "1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing", page 260.

7 - Seat Trim Panel

□ Sill-side

8 - Tunnel-Side Seat Trim Pan-

Removing and installing. Refer to "1.10 Right Seat Trim

Panel, Removing and Installing", page 263.

M72-10056

9 - Seat Belt Latch

☐ Removing and installing. Refer to ⇒ "1.7 Front Seat Belt with Driver/Front Passenger Seat Belt Switch E24 / E25 , Removing and Installing", <u>page 75</u> .

10 - Bolt

□ 20 Nm

1.3 Overview - Seat Height Adjuster

1 - Bolts

- □ 6.5 Nm
- ☐ Quantity: 2
- Note the different bolt length -item 8-

2 - Seat Height Adjusting Lever

For seat height adjust-

3 - Clip

☐ Check for secure fit

4 - Seat Height Adjustment Handle

Removing and installing. Refer to 1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing", page 260

5 - Seat Pan

Overview. Refer to ⇒ "1.2.1 Overview - Seat Pan, Manual ", page 251.

6 - Lock Washer

Replace after removing

7 - Seat Height Adjuster

8 - Bolt

- □ 10 Nm
- Note the different bolt lengths -item 1-

9 - Bolts

- □ 8 Nm
- ☐ Quantity: 2

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1.4 Front Seat, Removing and Installing

Special tools and workshop equipment required

- ♦ Torque Wrench 1331 5-50Nm VAG1331-
- Airbag Lockout Adapter VAS6282-



Note

- The following describes removing and installing the left seat. Removing and installing the right seat is identical.
- The following describes removing and installing a manual seat. Removing and installing a power seat is identical.

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Removing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Push the headrest into the lowest position.
- Remove the drawer (if equipped) from the seat.
- Position the seat as far up as possible using the height adiustment.
- Move the seat as far forward as possible using the forward/ back adjuster.
- Remove the bolts -3 and 4-.
- Move the seat as far back as possible using the forward/back adjuster.
- Disconnect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Remove the cap/carpet from the coupling station.



WARNING

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ble using the forward/back

with the ignition turned
Rep. Gr. 27; Battery;
1.

g station.

Yr example, disage it must "disvielly touching

nect the wir1.
harness Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.

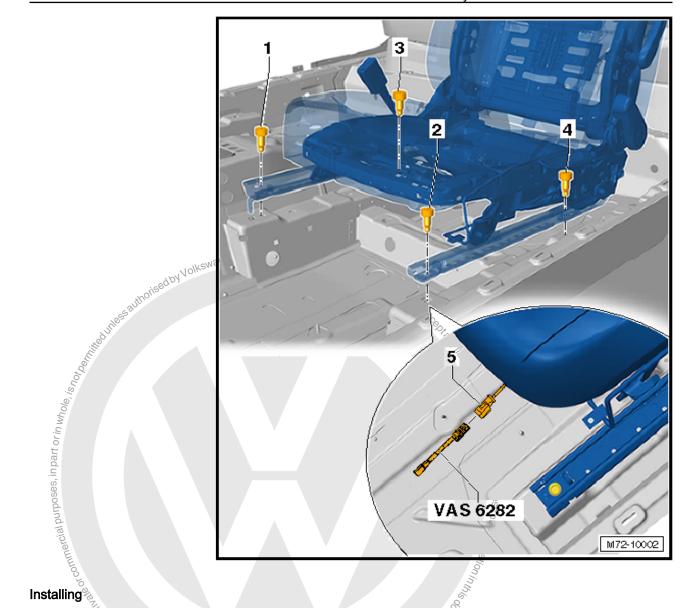
- Depending on the vehicle equipment level, disconnect the wiring harnesses from the seat at the coupling station.
- Connect the -VAS6282- to the thorax airbag wiring harness
- Remove the bolts 1 and 2-.



Caution

If seat is to be lifted out or transported out of the vehicle, it must not be grasped by the attachments, for example, seat belt latch, lever for seat fore/aft adjustment, lever for seat height adjustment or seat trim panels in order to prevent damage.

Reach between the backrest and seat cushion with the right hand. Grab the front of the seat cushion with the left hand and lift the seat out of the vehicle.





WARNING

- ♦ Follow all safety precautions when working with pyrotech nic components. Refer to Jolkswagen AG. ⇒ "1 Safety Precautions", page 1
- ♦ Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Lift seat through the front door and into the vehicle.
- Insert seat into corresponding holes in floor via the centering pins on the tunnel side.
- Tighten the bolt -1- (40 Nm).
- Tighten the bolt -2- (40 Nm).



WARNING

When installing the seat, if a thread in the seat crossmember mounting plate was damaged, a reworking of the damaged thread is forbidden. In this case, the seat crossmember mounting plate must be replaced.

If there is damage to threads in the seat crossmember mounting plate:

- Replace the affected seat crossmember mounting plate. Refer to ⇒ Body Repair; Rep. Gr. 51.
- Remove the -VAS6282- .
- Attach the thorax airbag wiring harness -5- to the connector
- Depending on the vehicle equipment level, attach the remaining wiring harnesses in the coupling station.



Note

Make sure the connectors are installed all the way and engage audibly.

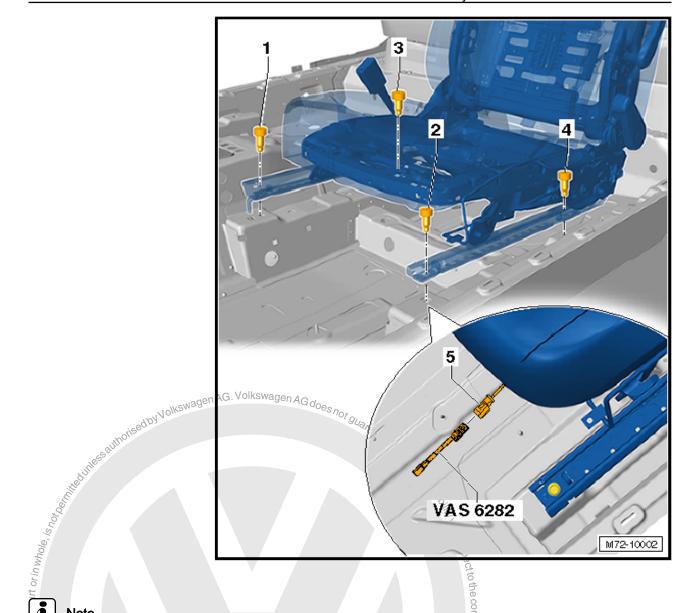
- Install the cap/carpet from the coupling station.
- Install the drawer (if equipped) in the seat.



WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

- Connect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.
- Move the seat as far forward as possible using the forward/ back adjuster.
- Tighten the bolt -3- (40 Nm).
- Tighten the bolt -4- (40 Nm).





Note

If the Airbag Indicator Lamp - K75- indicates a fault, check the Diagnostic Trouble Code (DTC) memory, erase it and check it again using the Vehicle Diagnostic Tester.

1.5 Backrest Adjustment Lever, Removing And Installing



Note

The following describes removing and installing the left seat. Removing and installing the right seat is identical. . ĐA negswexlo V Vahlai

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Removing

- Remove the expanding clip -2-.



- Remove the backrest adjustment wheel -1-.

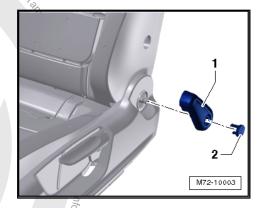
Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.



1.6 Lumbar Adjustment Lever, Removing and Installing

Removing

Remove the lumbar adjustment lever -1- from the shaft -2- using the -3392-

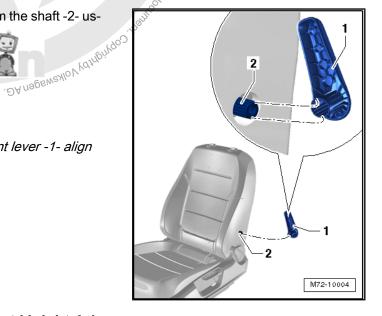
Installing

Install in reverse order of removal



Note

Make sure the splines on the lumbar adjustment lever -1- align with the splines on the shaft -2-.



1.7 Left Seat Trim Panel without Height Adjustment, Removing and Installing

Special tools and workshop equipment required

◆ Torque Wrench 1783 - 2-10Nm - VAG1783-

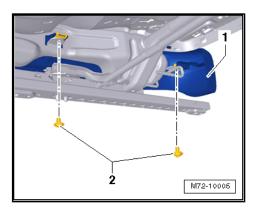


Note

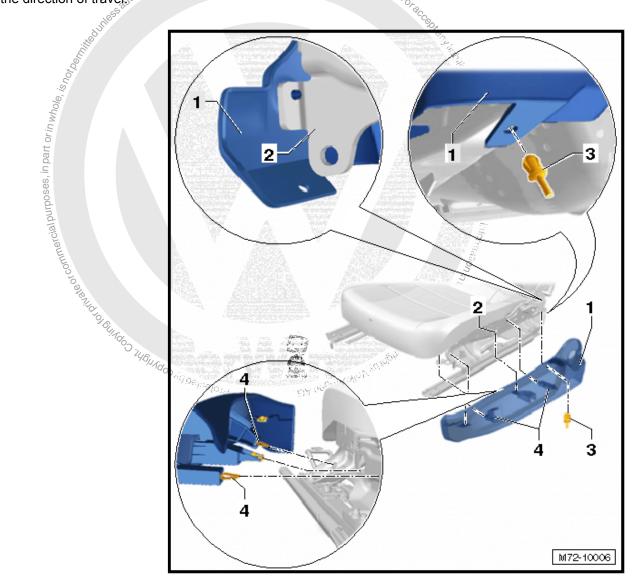
The following describes removing and installing the left seat. Removing and installing the right seat is identical.

Removing

- Remove the bolts -2- in the trim panel -1- (3 Nm).



- Remove the expanding clip -3- from the trim panel -1-.
- Detach the clips -4- in the trim panel -1 on the seat frame
- Remove the trim panel of from the seat frame mounts -2- in the direction of travely with the direction of travely wit





- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing

Special tools and workshop equipment required

♦ Torque Wrench 1783 - 2-10Nm - VAG1783-



Note

The following describes removing and installing the left seat. Removing and installing the right seat is identical.

Removing

Pull the height adjustment handle -3- upward and push the tab on the metal clamp -1- toward the inside with a small screwdriver. Pull the handle -3- on the lever -2- downward.

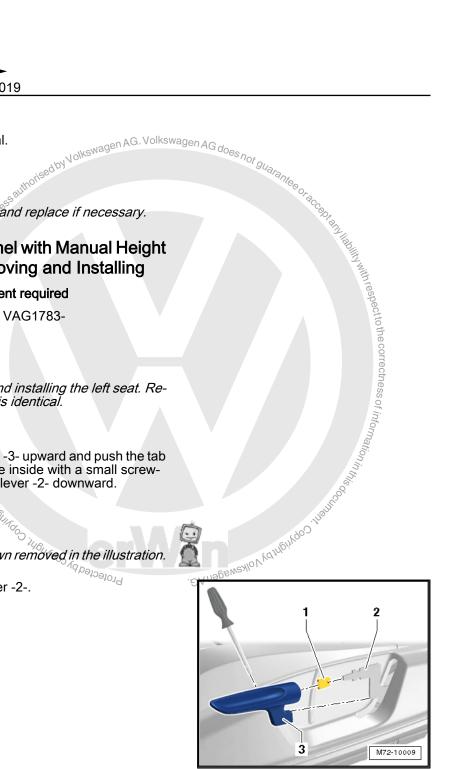


Note

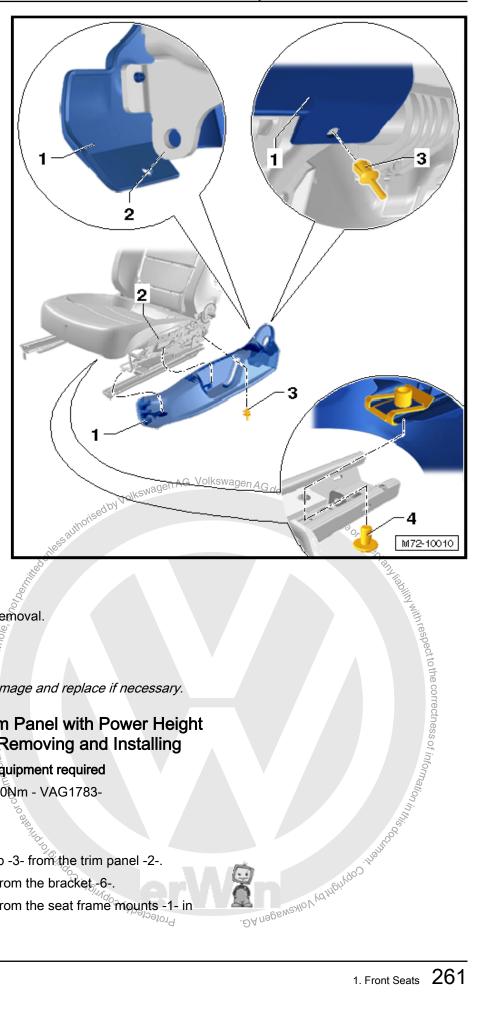
For a better overview, the clip is shown removed in the illustration.



Remove the clip -1- from the lever -2-.



- Remove the bolt -4- in the trim panel -1- (3 Nm).
- Remove the expanding clip -3- from the trim panel -1-.
- Loosen the trim panel -1- on the seat frame -2-.
- Remove the trim panel -1- from the seat frame mounts -2- in the direction of travel.



- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

1.9 Left Seat Trim Panel with Power Height Adjustment, Removing and Installing

Special tools and workshop equipment required

♦ Torque Wrench 1783 - 2-10Nm - VAG1783-

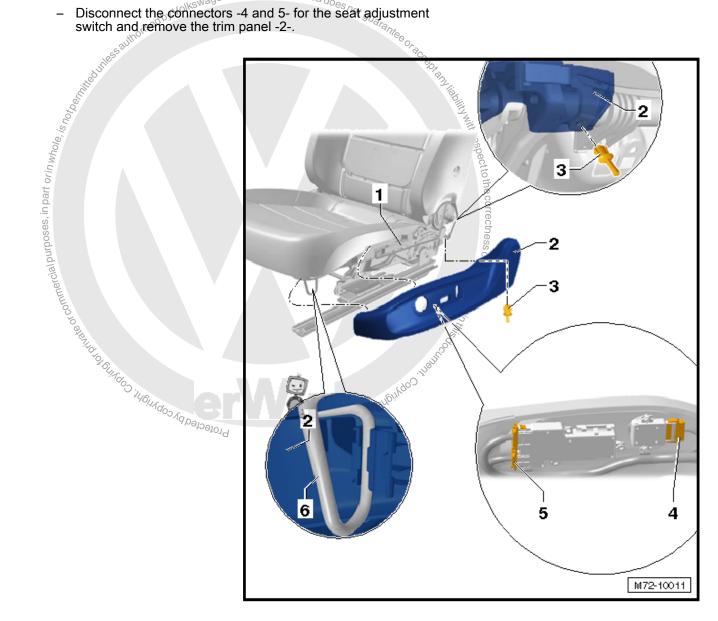
Removing

- Switch off the ignition.
- Remove the expanding clip -3- from the trim panel -2-.
- Loosen the trim panel -2- from the bracket -6-.
- Loosen the trim panel -2- from the seat frame mounts -1- in direction of travel.





Disconnect the connectors -4 and 5- for the seat adjustment switch and remove the trim panel -2-.



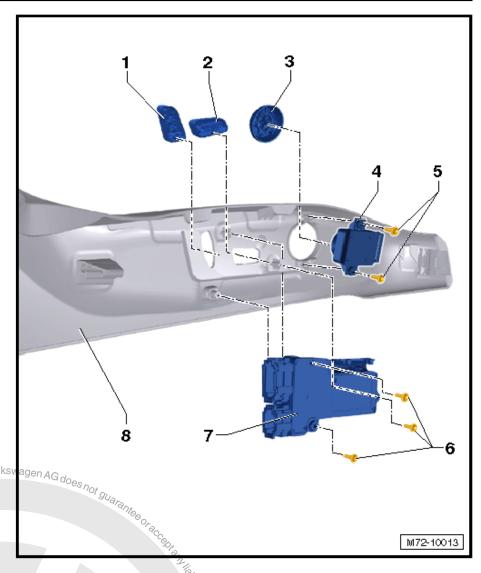
Trim Panel, Replacing:



Note

If the left trim panel on the seat -8- is being replaced, then is will be necessary to replace the seat adjustment switch -7- and the lumbar support height adjustment switch -4-.

- Remove the lever -1 and 2- from the seat adjustment switch
- Remove the screws -6- (2 Nm).
- Remove the seat adjustment switch -7- from the left trim panel on the seat -8-.
- Remove the lever -3- from the lumbar support switch -4-.
- Remove the screws -5- (2 Nm).
- Remove the lumbar support switch -4- from the trim panel on the left side of the vehicle -8-.



Install in reverse order of removal.



Check all the fasteners for damage and replace if necessary.

Installing Install in reverse Note Check all the 1.10 Right Seat Trim Panel, Removing and



The following describes removing and installing the left seat Removing and installing the right seat is identical.

Remove the Right Trim from the Seat with Manual Backrest Adjustment.

- Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253.
- Remove the expanding clip -3- from the trim panel -1-.



Pull the seat belt latch toward the outside.



Note

Belt latch is not depicted in the illustration.

Detach the retainers and remove the trim panel -1- from the seat frame -2-.

Remove the Right Trim from the Seat with Power Backrest Adjustment

- Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253.
- Remove the expanding clip -3- from the trim panel -1-.
- Pull the seat belt latch toward the outside.



Belt latch is not depicted in the illustration. Who is not depicted in the illustration. Detach the retainers and remove the trim panel -1- from the seat frame -2-.

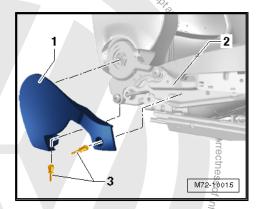
Installing

Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.



1.11 Front Seat Drawer with Mount, Removing and Installing

Special tools and workshop equipment required

Torque Wrench 1783 - 2-10Nm - VAG1783-

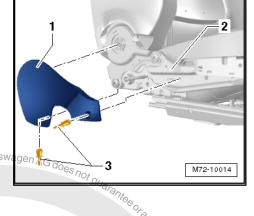


Note

The following describes removing and installing the left seat, Removing and installing the right seat is identical.

Removing

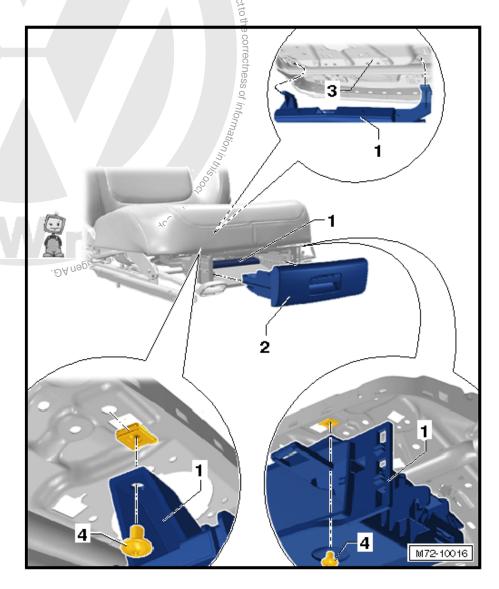
- Remove the drawer -2- from the mount -1-.
- Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253.
- Remove the left trim panel on the seat:
- Left Seat Trim Panel without Height Adjustment. Refer to ⇒ "1.7 Left Seat Trim Panel without Height Adjustment, Removing and Installing", page 258
- Left Seat Trim Panel with Manual Height Adjustment. Refer to ⇒ "1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing", page 260.



Remove the left seat trim panel with power height adjustment. Refer to

tuthoised by Volkswagen AG. Volkswagen AG does not guaranteeo

- Protected by copyright, Copyright ⇒ "1.9 Left Seat Trim Panel with Power Height Adjustment, Removing and Installing", page 261.
 - Remove the bolts -4- (8 Nm).
 - Detach and remove the mount -1- from the seat frame -3-.



Installing

Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

1.12 Front Seat Bracket and Release Lever, Removing and Installing

Special tools and workshop equipment required

♦ Torque Wrench 1783 - 2-10Nm - VAG1783-



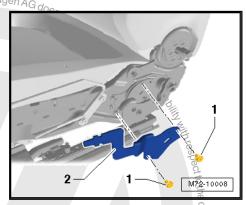


Note

The following describes removing and installing the left seat. Removing and installing the right seat is identical.

Removing

- Remove the left trim panel on the seat with manual height adjustment. Refer to
 ⇒ "1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing", page 260.
- Remove the bolts -1- (8 Nm) and then remove the release lever -2- from the seat frame.



 Remove the bolts -1- (8-Nm) and then remove the bracket -2- from the seat frame

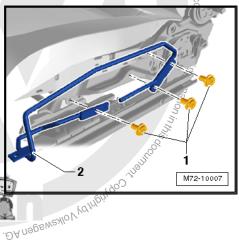
Installing

Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.



1.13 Power Seat Bracket, Removing and Installing

Special tools and workshop equipment required

♦ Torque Wrench 1783 - 2-10Nm - VAG1783-

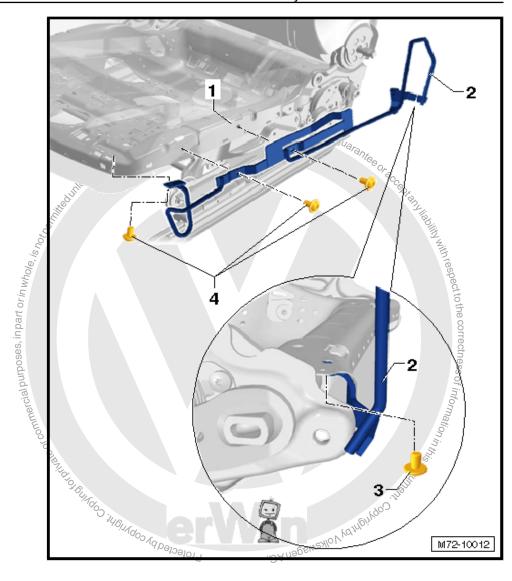


Note

The following describes removing and installing the left seat. Removing and installing the right seat is identical.

Removing

- Switch off the ignition.
- Remove the left trim panel on the seat with power height adjustment. Refer to
 ⇒ "1.9 Left Seat Trim Panel with Power Height Adjustment, Removing and Installing", page 261.
- Remove the bolt -3- (7.5 Nm).
- Remove the bolts -4- (7.5 Nm) and then remove the bracket
 -2- from the seat frame -1-.



- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

1.14 Headrest Guides, Removing and Installing

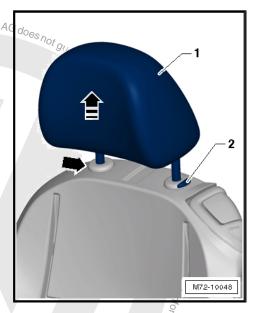


Note

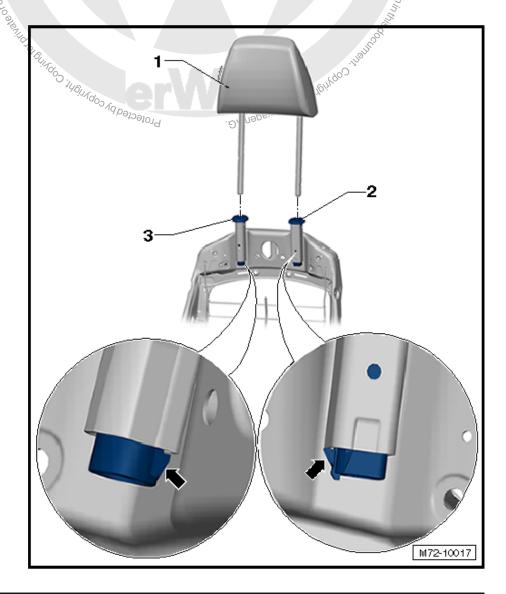
The headrest guides are shown without the cover and cushion.

Removing

- Raise the headrest -1- up in the direction of -arrow- by pushing gen Acon headrest guide button -2-.
- Push the headrest guide all the way in direction of -arrow- using -3409- .
- Push the button -2- and pull the headrest -1- out of the back-
- Remove the cover and the cushion from the front seat backrest. Refer to
 - ⇒ "1.2 Backrest Covers and Cushions, Removing and Installing", page 291



Open the tabs -arrows with a screwdriver or a drift and remove the headrest guide -2 and 3- from the backrest frame.



- Install in reverse order of removal.

1.15 Backrest, Removing and Installing

Special tools and workshop equipment required

- ◆ Torque Wrench 1331 5-50Nm VAG1331-
- Engine/Transmission Holder Seat Repair Fixture VAS6136-
- Engine and Gearbox Bracket VAS6095A



Note

The following describes removing and installing the left seat. Removing and installing the right seat is identical.

Removing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to *⇒ "1 Safety Precautions", page 1*
- Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Attach the -VAS6136- onto the -VAS6095A- .
- Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253
- Secure the seat on the -VAS6136- .
- Remove the left trim panel on the seat:
- Left Seat Trim Panel without Height Adjustment. Refer to ⇒ "1.7 Left Seat Trim Panel without Height Adjustment, Removing and Installing", page 258.
- Left Seat Trim Panel with Manual Height Adjustment. Refer to ⇒ "1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing", page 260.
- Remove the left seat trim panel with power height adjustment. Refer to "1.9 Left Seat Trim Panel with Power Height Adjustment, Removing and Installing", page 261
- Remove the right trim panel on the seat. Refer to ⇒ "1.10 Right Seat Trim Panel, Removing and Installing", page 263 .

All Vehicles

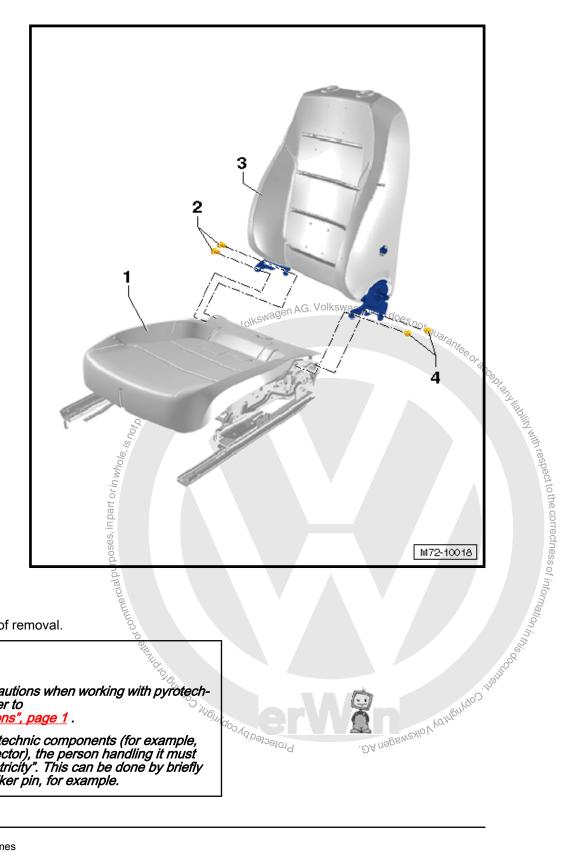
- Disconnect the thorax airbag and seat heating wiring harnesses from the seat frame and free them up.
- Remove the bolts -2 and 4- (35 Nm).





Note

- The bolts are micro encapsulated and must be replaced after each loosening.
- Before installing the new bolts, the threads of the corresponding nuts must be cleaned.
- Remove the backrest -3- from the seat frame -1-.



Perform the following:

Install in reverse order of removal.



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to *⇒ "1 Safety Precautions", page 1*
- Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.



1.16 Manual Lumbar Support, Removing and Installing

Special tools and workshop equipment required

- ♦ Torque Wrench 1783 2-10Nm VAG1783-
- ◆ Engine/Transmission Holder Seat Repair Fixture VAS6136-
- Engine and Gearbox Bracket VAS6095A-

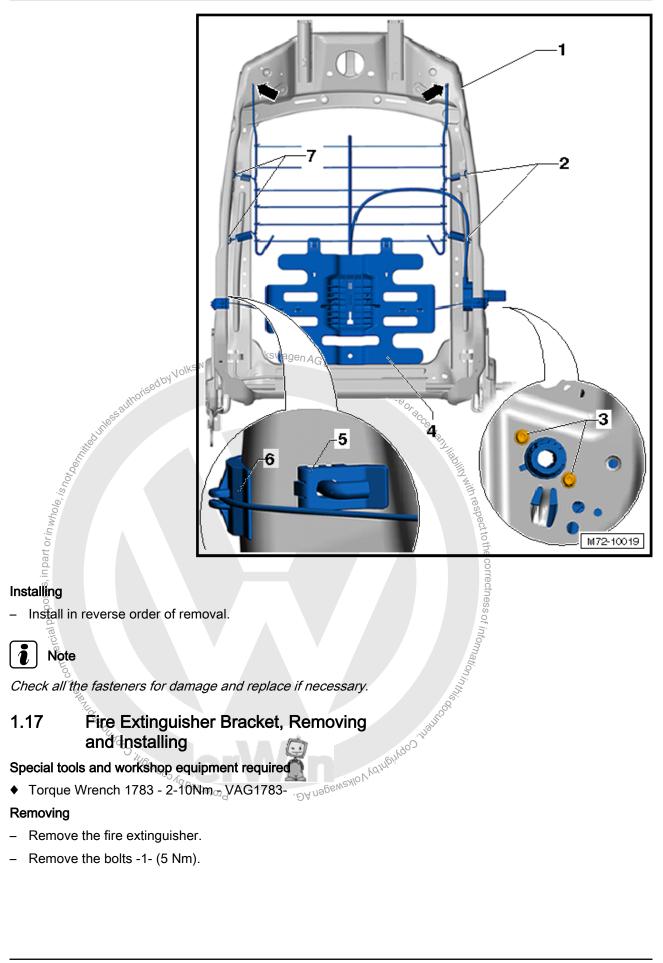


Note

The following describes removing and installing the left seat. Removing and installing the right seat is identical.

Removing

- Attach the -VAS6136- onto the -VAS6095A- .
 - Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253
- Secure the seat on the -VAS6136- .
- Remove the front seat backrest. Refer to ⇒ "1.15 Backrest, Removing and Installing", page 269.
- Remove the cover and the cushion from the front seat backrest. Refer to *1.2 Backrest Covers and Cushions, Removing and Installing", page 291
- Install the backrest on the -VAS6136- .
- Remove the bolts -3- (2 Nm) and loosen the lumbar support from the backrest frame -1-.
- Disengage both side retainers -6 and 5 from the backrest frame -1-.
- Disengage the side springs 2 and 7- from the backrest frame
- Disengage the lumbar support -4- from the upper mounts
- Remove the lumbar support frame -4- from the backrest frame -1-.





Remove the fire extinguisher bracket -2- from the bracket -3on the seat frame.

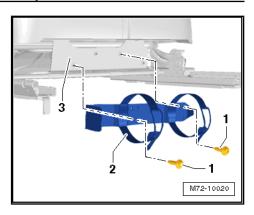
Installing

Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.



1.18 Fire Extinguisher Bracket on Seat Frame, Removing and Installing

Special tools and workshop equipment required

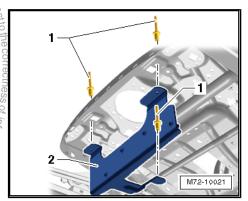
♦ Pop Rivet Pliers - VAS5072A-

Removing

- Remove the cover and the cushion from the front seat. Refer ⇒ "1.1 Seat Pan Cover and Padding, Removing and Installing",
- Remove the fire extinguisher.
 - Remove the fire extinguisher bracket. Refer to ⇒ "1.17 Fire Extinguisher Bracket, Removing and Installing" page 272.
- Drill open and remove the pop rivets -1-.
- Remove the fire extinguisher bracket -2- from the seat frame.

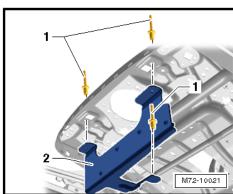
Installing

orcommercial purposes, in part or in whole, is not what is not in whole, it is not in which it is not in whole, it is not in which it is not in wh Mount the bracket -2- on the seat frame.



- Install the new pop rivets -1- using the -VAS5072A- .
- The rest of the assembly is performed in reverse order. Protected by copyrigh







1.19 Power Seat Backrest Adjustment Motor, Removing and Installing



Note

If backrest adjustment motor is faulty, backrest frame must be replaced.



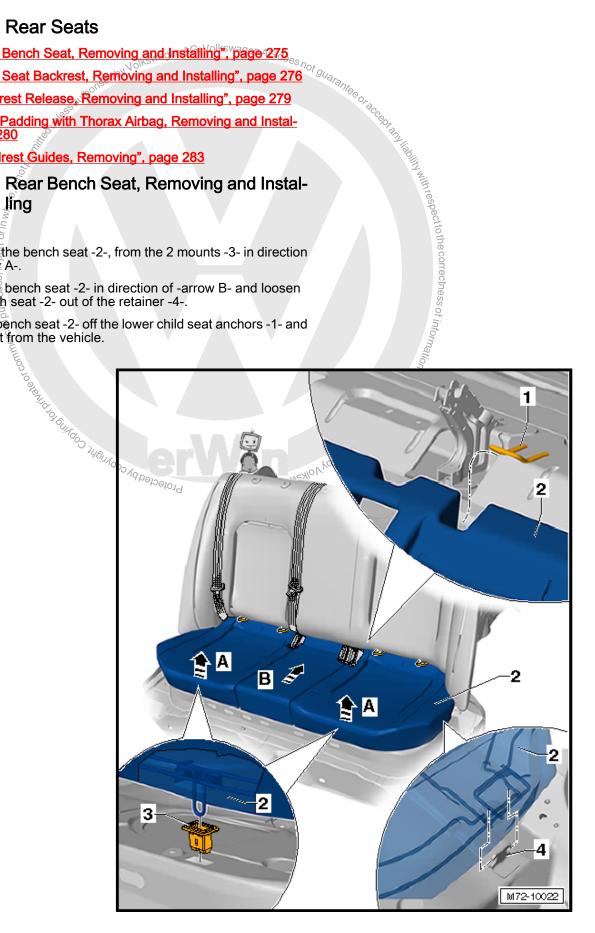
2 **Rear Seats**

- ⇒ "2.1 Rear Bench Seat, Removing and Installing", page 275
- ⇒ "2.2 Rear Seat Backrest, Removing and Installing", page 276
- ⇒ "2.3 Backrest Release, Removing and Installing", page 279
- ⇒ "2.4 Side Padding with Thorax Airbag, Removing and Installing", page 280
- ⇒ "2.5 Headrest Guides, Removing", page 283

2.1 Rear Bench Seat, Removing and Installing

Removing

- Remove the bench seat -2-, from the 2 mounts -3- in direction of -arrow A-.
- Push the bench seat -2- in direction of -arrow B- and loosen the bench seat -2- out of the retainer -4-.
- Pull the bench seat -2- off the lower child seat anchors -1- and remove it from the vehicle.





Install in reverse order of removal and note the following:

- Check body openings -arrow- for deformations.
- In the case of deformation, readjust the panel with a plastic nAG do.



Note

Remaining minor deformation is permissible.

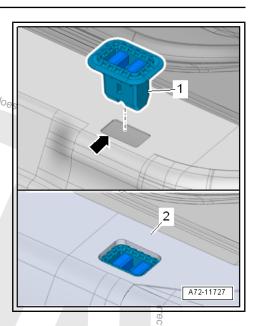
- Lift the carpet -2- and press in new mounting grommets -1until they engage audibly in body opening -arrow-.
- Place the carpet around the grommet as illustrated.

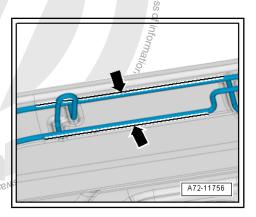


Note

The carpet must not cover the grommet.

- Check if the wire frame is aligned in the marked area -arrows- before installing the rear bench seat.
- If the wire frame is bent, bend it back far enough until it is realigned.
- Install the rear bench seat and push the wire hooks into the mounting grommets.
- Make sure the wire hooks are engaged correctly in the grom-Protected by copyright, co mets.





2.2 Rear Seat Backrest, Removing and Installing

Removing

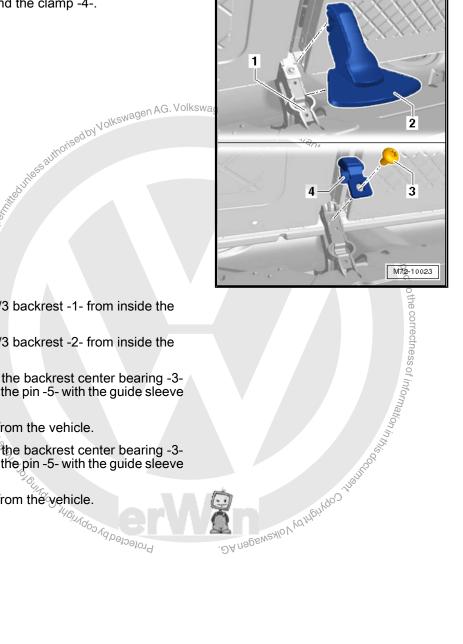
- Remove the bench seat. Refer to ⇒ "2.1 Rear Bench Seat, Removing and Installing", page 275.
- Fold back the carpet near the backrest center bearing.
- Remove the trim -2- from the backrest center bearing -1-.



Note

- It is not possible to remove the trim -2- from the backrest center bearing -1- without damaging it. Replace the trim.
- Hybrid vehicles do not have a trim piece -2- on the backrest center bearing -1-.

- Remove the bolt -3- (9 Nm) and the clamp -4-.



- Unlock and fold forward the 2/3 backrest -1- from inside the luggage compartment.
- Unlock and fold forward the 1/3 backrest -2- from inside the luggage compartment.
- Lift the 1/3 backrest -2- out of the backrest center bearing -3and remove the backrest from the pin -5- with the guide sleeve -4-.
- Remove the 1/3 backrest -2 from the vehicle.
- Lift the 2/3 backrest -1- out of the backrest center bearing -3and remove the backrest from the pin -5- with the guide sleeve
- Remove the 2/3 backrest -1- from the vehicle. Protected by copyright



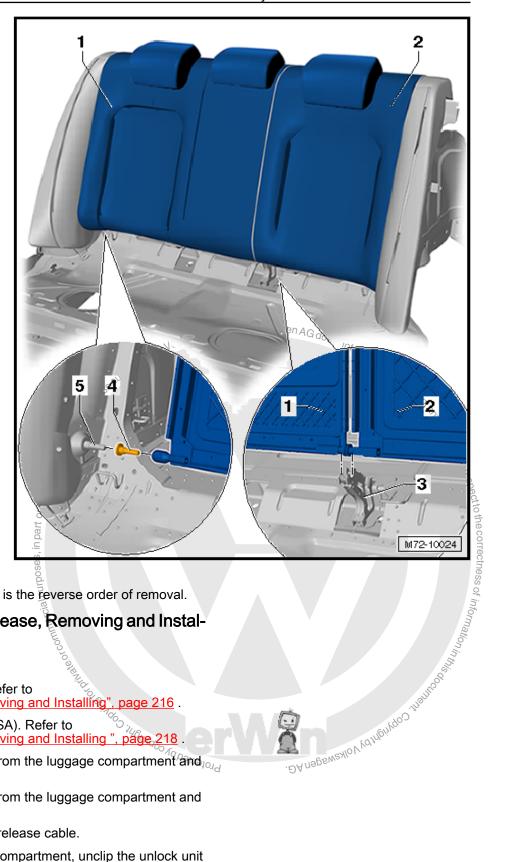






Note

Make sure the guide sleeve -4- is in both backrest frames -1 and 2- before installing the pin -5-.

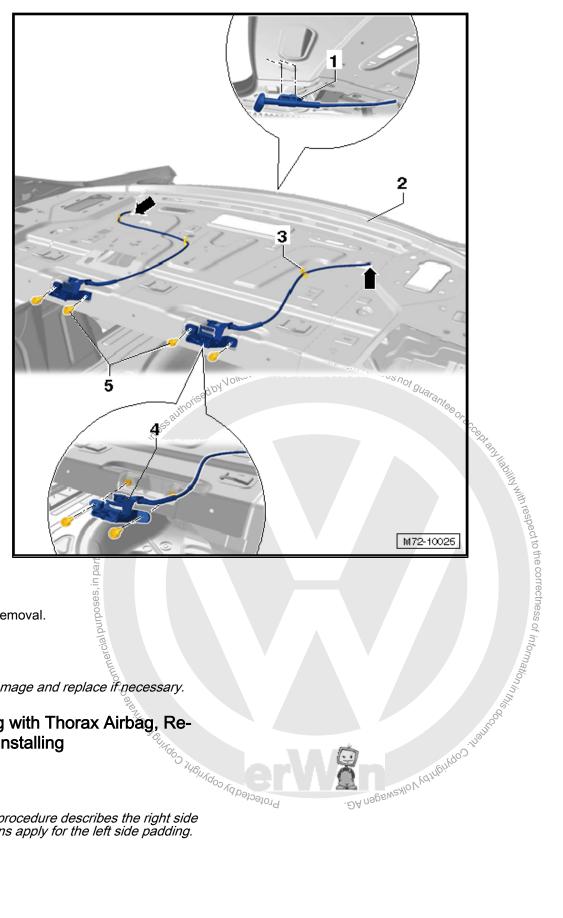


- The rest of the installation is the reverse order of removal.

2.3 Backrest Release, Removing and Installing

Removing

- Remove the rear shelf. Refer to ⇒ "4.12 Rear Shelf, Removing and Installing", page 216.
- Remove the rear shelf (USA). Refer to ⇒ "4.13 Rear Shelf, Removing and Installing ", page 218
- Release the 13 backrest from the luggage compartment and load fold it down.
- Release the 23 backrest from the luggage compartment and fold it down.
- Open the clips -3- for the release cable.
- From inside the luggage compartment, unclip the unlock unit -1- on both sides and guide it out of the rear panel upper section -2- -arrows-.
- Remove the bolts -5- (8 Nm) and the backrest release -4- from the rear wall upper section -2-.



Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

Side Padding with Thorax Airbag, Re-2.4 Protected by copyright, Copyright moving and Installing



Note

The removal and installation procedure describes the right side padding. The same instructions apply for the left side padding.





- Jetta 20
 Body Interior

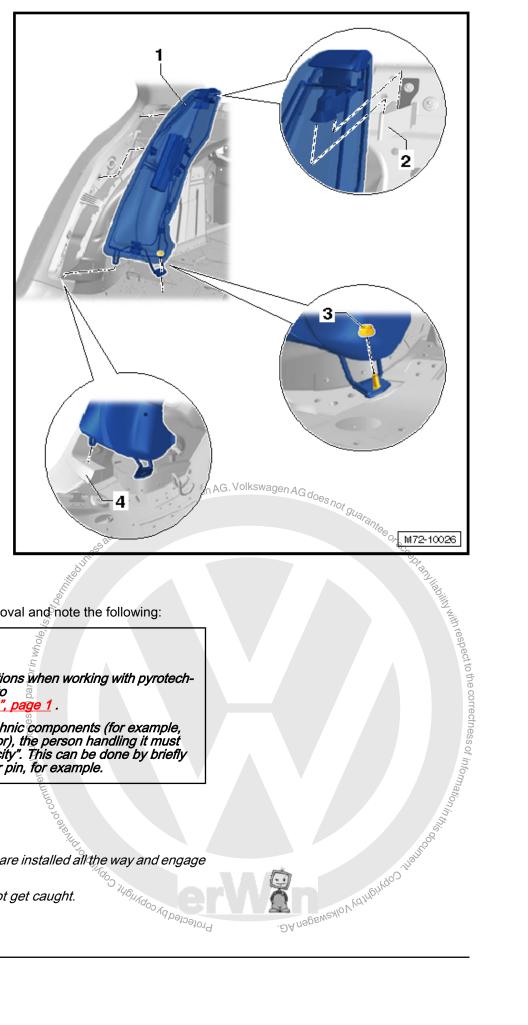
 An pyrotechness (for example, person handling it must sean be done by briefly for example).

 Lectrical Equipment: Rep. Gr. 27; Battery; anecting and Connecting.

 Lear Bench Seat. Refer to tear Bench Seat. Removing and Installing.

 Lear When the side cushion with the thorax airbag -1- upward from the mounts -2 and 44.

 Disconnect the wiring harness from the thorax airbag and remove the side cushion with the thorax airbag -1- from the side cushion with the thorax airbag -1- from the side cushion with the thorax airbag -1- from the side cushion with the thorax airbag -1- from the side cushion with the thorax airbag -1- from the side cushion with the thorax airbag -1- from the side cushion with the thorax airbag -1- from the side cushion with the thorax airbag -1- from the side cushion with the thorax airbag -1- from the side cushion with the thorax airbag -1- from the side cushion with the thorax airbag -1- from the side cushion with the side cushion with the thorax airbag -1- from the side cushion with the side cushion



Install in reverse order of removal and note the following:



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to

 ⇒ "1 Safety Precautions", page 1.
- Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.



Note

- Make sure the connectors are installed all the way and engage Protected by copyright, Copy
- Make sure the wires do not get caught.





WARNING

The ignition must be on when connecting the battery. If pyrotechnic components (for example, airbag, belt tensioner) are not repaired correctly, they may deploy unintentionally after connecting battery. There must not be anyone in the vehicle interior when connecting the battery.

Connect the battery ground cable with the ignition turned on. Refer to ⇒ Electrical Equipment; Rep. Gr. 27; Battery; Battery, Disconnecting and Connecting.



Note

If the Airbag Indicator Lamp - K75- indicates a fault, check the Diagnostic Trouble Code (DTC) memory, erase it and check it again using the Vehicle Diagnostic Tester.

2.5

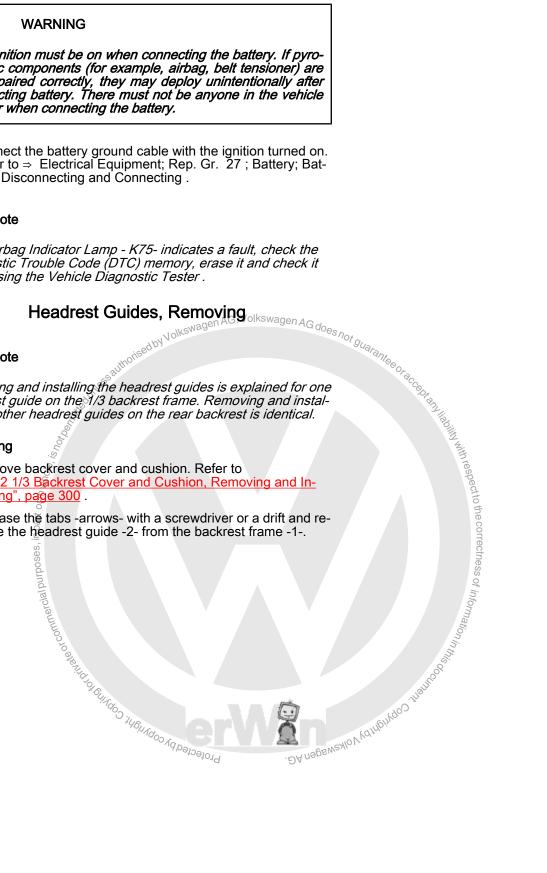


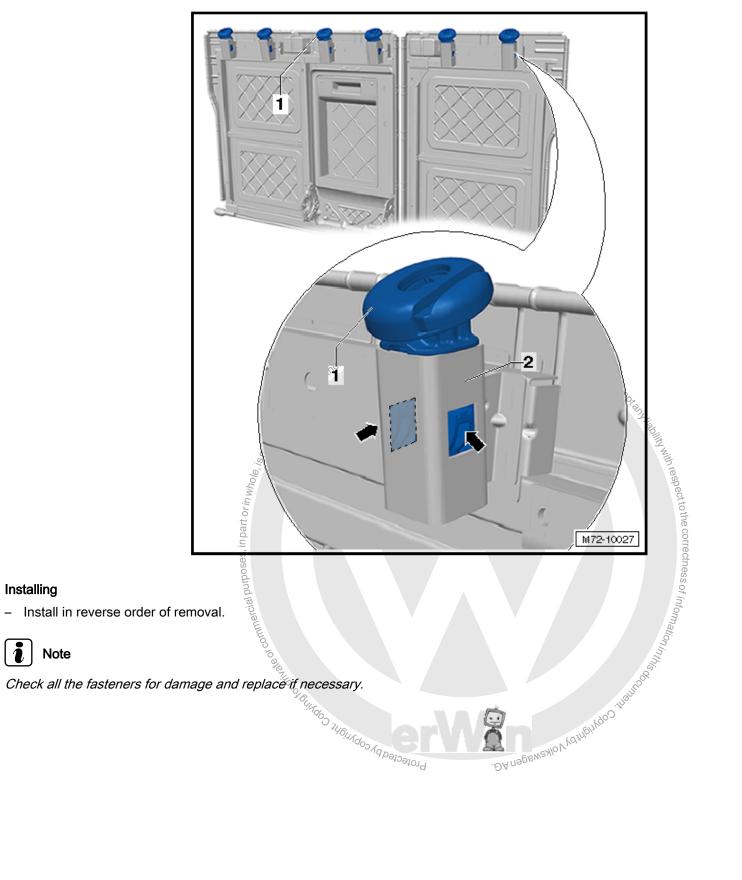
Note

Removing and installing the headrest guides is explained for one headrest guide on the 1/3 backrest frame. Removing and installing all other headrest guides on the rear backrest is identical.

Removing

- Remove backrest cover and cushion. Refer to ⇒ "2.2 1/3 Backrest Cover and Cushion, Removing and Installing", page 300.
- Release the tabs -arrows- with a screwdriver or a drift and remove the headrest guide -2- from the backrest frame -1-.





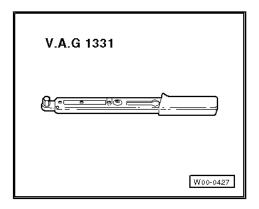


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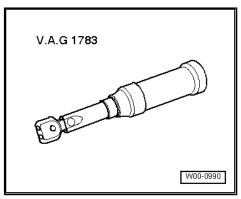
Special Tools 3

Special tools and workshop equipment required

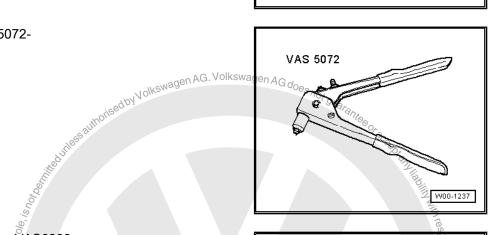
♦ Torque Wrench 1331 5-50Nm - VAG1331-



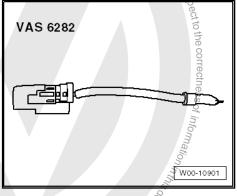
♦ Torque Wrench 1783 - 2-10Nm - VAG1783-



♦ Pop Rivet Pliers - VAS5072-



Protected by Way of Copyrights Copyrights of the part ♦ Airbag Lockout Adapter - VAS6282-



Seat Upholstery, Covers

Front Seat Covers and Cushions

⇒ "1.1 Seat Pan Cover and Padding, Removing and Installing",

⇒ "1.2 Backrest Covers and Cushions, Removing and Installing", page 291

1.1 Seat Pan Cover and Padding, Removing and Installing

Special tools and workshop equipment required

- ◆ Door Trim Pliers 3392-
- Upholstery Clip Pliers VAG1634-
- Upholstery Awl VAG1636A-
- Engine and Gearbox Bracket VAS6095A-
- Engine/Transmission Holder Seat Repair Fixture VAS6136-



Note

The following describes removing and installing components on the left seat. Removing and installing components on the right seat is identical.



WARNING

Components on the right

Components on the rig If the cushion and the front seat cushion on the front passenger side is being replaced, then the Front Passenger Occupant Detection Sensor - G128- and the Passenger Occupant Detection System Pressure Sensor - G452- must always be replaced as well on USA vehicles.

- - "10.1 Front Passenger Occupant Detection Sensor G128 , Removing and Installing", page 124
- - "11 Passive Occupant Detection System", page 134

Removing



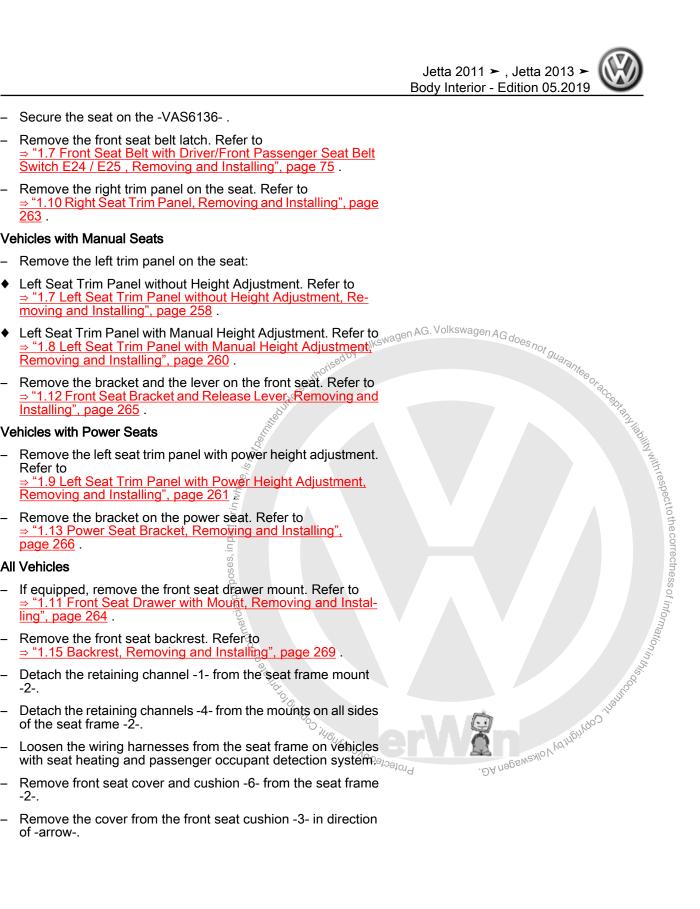
WARNING

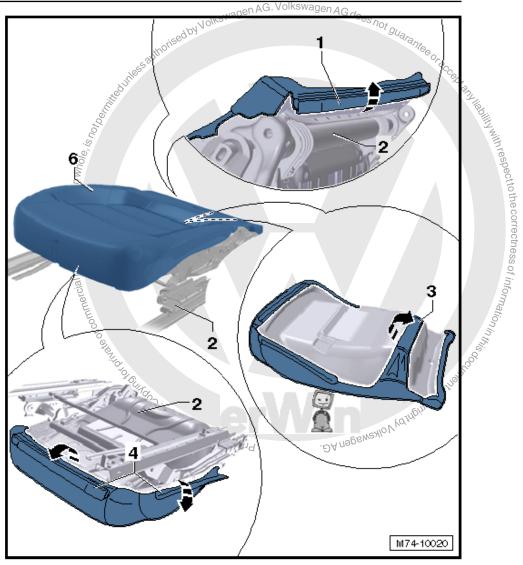
- Follow all safety precautions when working with pyrotechnic components. Refer to "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Attach the -VAS6136- onto the -VAS6095A- .
- Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing", page 253.

Vehicles with Manual Seats

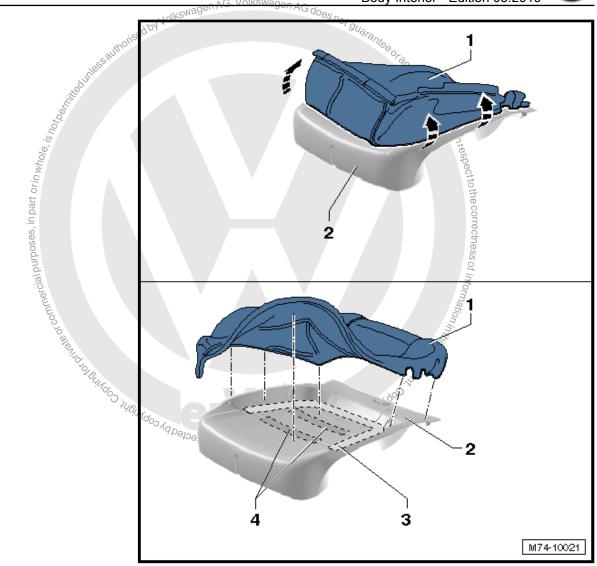
Vehicles with Power Seats

All Vehicles





- Fold up the outside of the cover -1- off the front seat cushion -2- in direction of -arrow-.
- Remove the clips -1- from the cushion -area 4-.
- Remove all of the cover upholstery clips -1- from the cushion in -area 3-.
- Remove the cover -1- from front seat cushion -2-.



Vehicles with Passenger Occupant Detection System and Seat Heating



WARNING

Do not disconnect the Front Passenger Occupant Detection Sensor - G128--1,- or the Passenger Occupant Detection System Pressure Sensor - G452--4- (only on USA vehicles), the seat heating element -3- and the front seat cushion cover -2-.

If one of the mentioned components is faulty, then all the components must be replaced.



Note

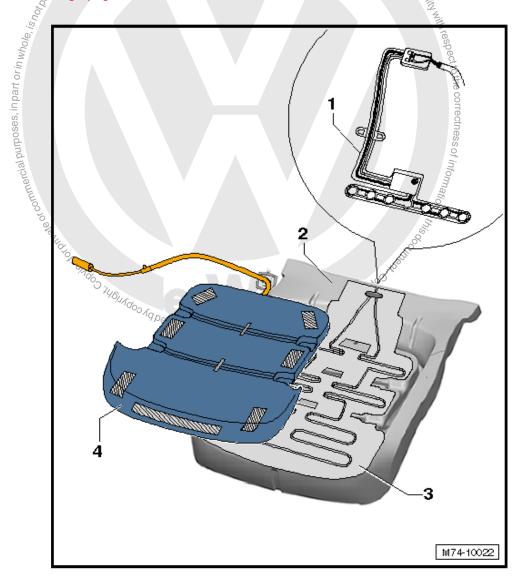
When installing the individual components, make sure the Front Passenger Occupant Detection Sensor - G128--1- is installed under the seat heating element -3- and the Passenger Occupant Detection System Pressure Sensor - G452- -4 -(USA vehicles only) is always installed over the seat heating element -3-.

- Front Passenger Occupant Detection Sensor G128-, Installing. Refer to ⇒ "10 Belt Fastening Detection", page 124.
- Passenger Occupant Detection System Pressure Sensor -G452-, Installing. Refer to





⇒ "11.6 Passenger Occupant Detection System Pressure Sensor, Removing and Installing", page 140

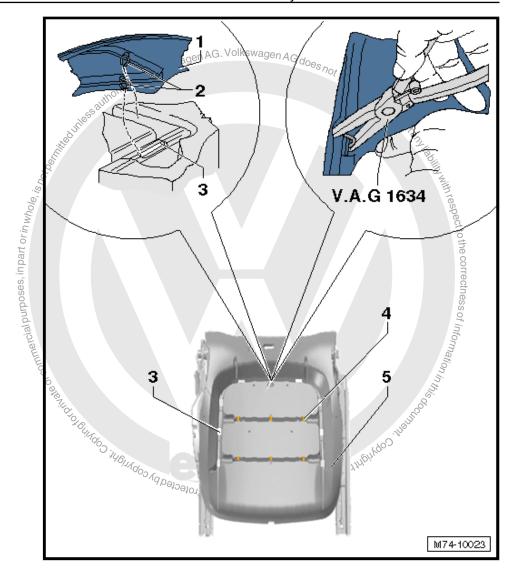


Installing



WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to
 ⇒ "1 Safety Precautions", page 1
- ◆ Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Install the cushion -5- on the seat frame.
- Attach the cover -1- to the cushion -5- with the clips -4-.
- Attach the seat cover -1- to the cushion -4- all the way around with new upholstery clips -2- at the shown locations -3- using the -VAG1634- .



The rest of the assembly is performed in reverse order.

Backrest Covers and Cushions, Remov-1.2 ing and Installing

Special tools and workshop equipment required

- ♦ Door Trim Pliers 3392-
- ♦ Upholstery Clip Pliers VAG1634-
- ♦ Upholstery Awl VAG1636A-
- ♦ Engine and Gearbox Bracket VAS6095A-
- Engine/Transmission Holder Seat Repair Fixture VAS6136-



The following describes removing and installing components on the left seat. Removing and installing components on the right seat is identical.

Removing

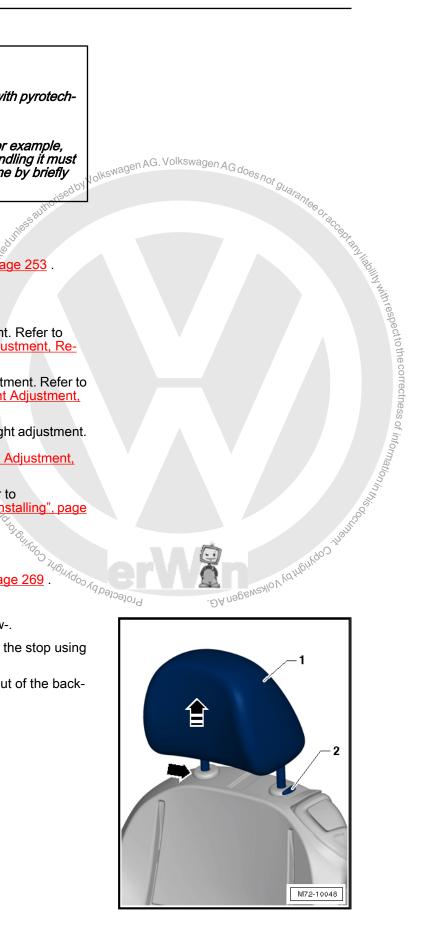


WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to ⇒ "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, disconnecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Attach the -VAS6136- onto the -VAS6095A- .
- Remove the front seat. Refer to ⇒ "1.4 Front Seat, Removing and Installing"
- Secure the seat on the -VAS6136- .
- Remove the left trim panel on the seat:
- Left Seat Trim Panel without Height Adjustment. Refer to ⇒ "1.7 Left Seat Trim Panel without Height Adjustment, Removing and Installing", page 258.
- Left Seat Trim Panel with Manual Height Adjustment. Refer to ⇒ "1.8 Left Seat Trim Panel with Manual Height Adjustment, Removing and Installing", page 260.
- Remove the left seat trim panel with power height adjustment. Refer to ⇒ "1.9 Left Seat Trim Panel with Power Height Adjustment, Removing and Installing", page 261.
- Remove the right trim panel on the seat. Refer to ⇒ "1.10 Right Seat Trim Panel, Removing and Installing", page 263

All Vehicles

- Remove the front seat backrest. Refer to ⇒ "1.15 Backrest, Removing and Installing", page 269.
- Install the backrest on the -VAS6136- .
- Push the cushion on the headrest guide -arrow-.
- Push the headrest guide -arrow- all the way to the stop using the -3409- .
- Push the button -2- and pull the headrest -1- out of the backrest







Vehicles with Manual Lumbar Support Adjustment

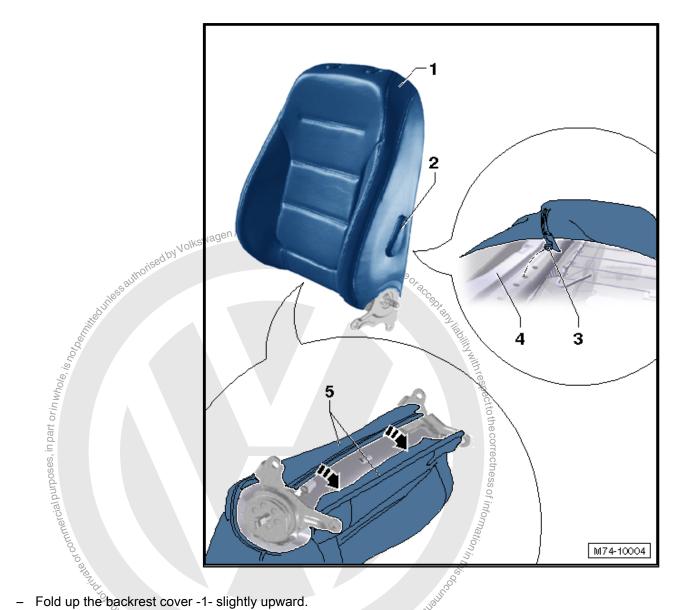
- Remove the lumbar adjustment lever -2- using the -3392- .

All Vehicles

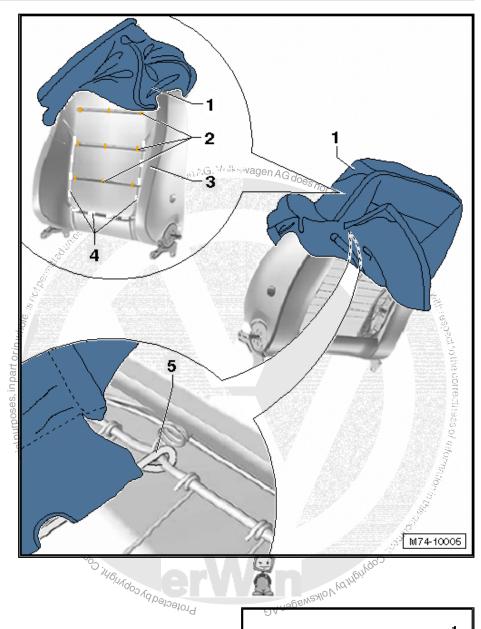
- Open the retaining channel -5- in direction of -arrow-.

Cover with Map Pocket

Remove the clip -3- from both sides of the back of the backrest frame -4-.



- Fold up the backrest cover -1- slightly upward.
- Disengage tension wire -5- on the left and right sides of the backrest frame.
- Remove the upholstery clips of the cover -1- alternately from the cushion -4- and unclip the clips for the cover -1- from the mounts in the cushion -2- using a small screwdriver.
- Fold the cover -1- up farther and remove it from the cushion
- Push the cushion -3- over both headrest guides and remove it from the backrest frame.



Vehicles with Seat Heating



Note

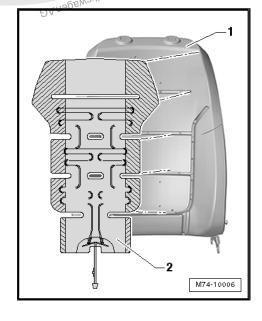
If, on a vehicle with seat heating, the cushion -1- or the backrest heating element -2- is faulty, always replace both components.

Installing

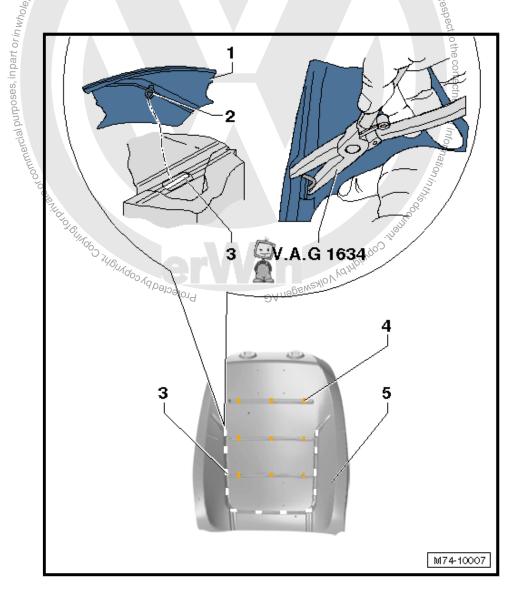


WARNING

- Follow all safety precautions when working with pyrotechnic components. Refer to
 ⇒ "1 Safety Precautions", page 1
- Before handling pyrotechnic components (for example, connecting the connector), the person handling it must "discharge static electricity". This can be done by briefly touching the door striker pin, for example.
- Push the cushion -5- over both headrest guides and onto the backrest frame.



- Attach the cover -1- to the cushion -5- with the clips -4-.
- Attach the seat cover -1- to the cushion -5- all the way around with new upholstery clips -2- at the shown locations -3- using the -VAG1634-.



The rest of the assembly is performed in reverse order.

edby Volk 2 **Rear Seat Covers and Cushions**

- ⇒ "2.1 Bench Seat Cover and Padding, Removing and Installing", page 296
- ⇒ "2.2 1/3 Backrest Cover and Cushion, Removing and Installing", page 300
- ⇒ "2.3 2/3 Backrest Cover and Cushion, Removing and Installing", page 303
- ⇒ "2.4 Pass-Through Unit with Center Armrest, Removing and Installing", page 307

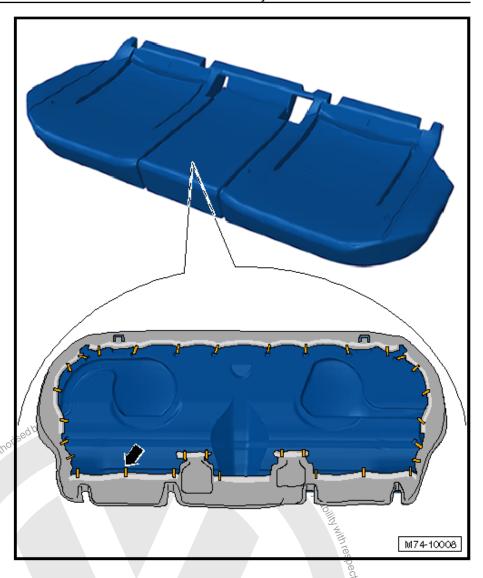
2.1 Bench Seat Cover and Padding, Removing and Installing

Special tools and workshop equipment required

- Trim Release Lever T10039-
- Upholstery Clip Pliers VAG1634-
- Upholstery Awl VAG1636A-

Removing

- Remove the bench seat. Refer to ⇒ "2.1 Rear Bench Seat, Removing and Installing",
- Disconnect all the upholstery clips -arrow on the bottom of the bench seat all the way around.
- Fold the cover up all the way around.



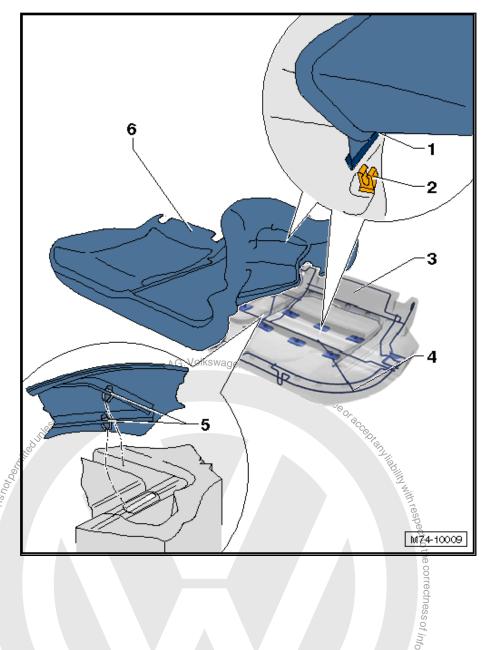


Note

The illustration shows attaching the cover -6- on the »Comfort«version. Installing the seat covers on a »Basic« or »Sport« version is identical.

- Fold up the cover on the sides.
- Loosen the clamping strips -1- from the clips -2-. Push the side braces on the mounts -2- away from each other with a small screwdriver and remove the clamping strips -1-.
- Remove all the upholstery clips -5-.
- Remove the cover -6- from the cushion -3-.
- Remove the cushion -3- from the seat frame -4 Protected by cop





Installing

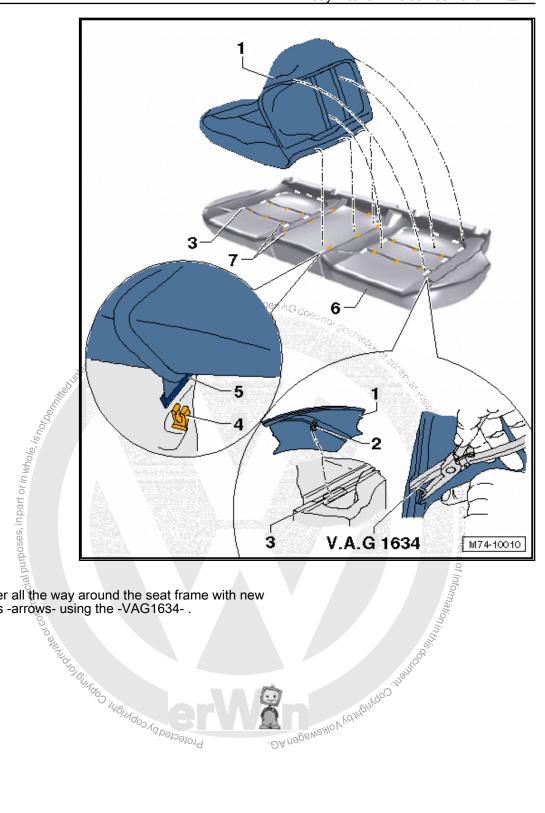


Note

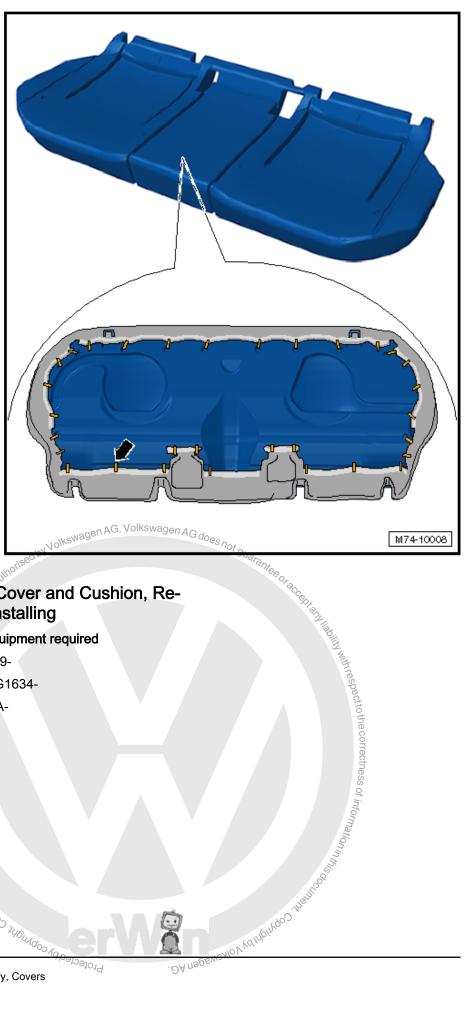
The illustration shows attaching the cover -1- on the »Comfort« version. Installing the seat covers on a »Basic« or »Sport« version is identical.

- Install the cushion -6- on the seat frame.
- Install the cover -1- on the cushion -6-.
- Install the clamping strips -5- for the cover -1- using the clips -4- at the shown locations -7-.
- Attach the seat cover -1- to the cushion -6- all the way around with new upholstery clips -2- at the shown locations -3- using the -VAG1634-.
- Fold up the cover -1- on the sides.





Attach the cover all the way around the seat frame with new upholstery clips -arrows- using the -VAG1634- .



1/3 Backrest Cover and Cushion, Re-2.2 moving and Installing

Special tools and workshop equipment required

- Trim Removal Wedge 3409-
- Upholstery Clip Pliers VAG1634-
- Upholstery Awf VAG1636A-

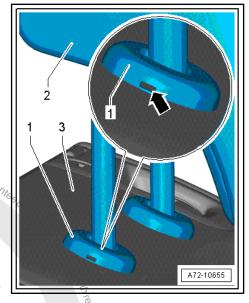
Using a small flat-head screwdriver, press the locking spring all the way through the opening -arrow- in the headrest guide



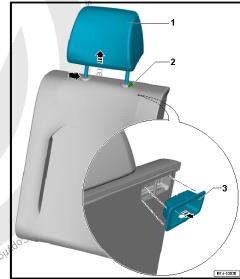
Note

The position of the opening in the headrest guide -arrow- can either be in direction of travel on the right or on the left side.

Push the button -2- and pull the headrest-10 but of the backrest at the same time.



Loosen the trim -3- using -3409- and then remove it from the backrest in direction of -arrow-.



- Pry the profile -arrows- out of the mounts in the backrest frame -2- with a screwdriver. -2- with a screwdriver.
- Fold the cover -7- up on the sides.



Note

The illustration shows attaching the cover -7- on the »Comfort« version. Installing the seat covers on a »Basis« or »Sport« version is identical.

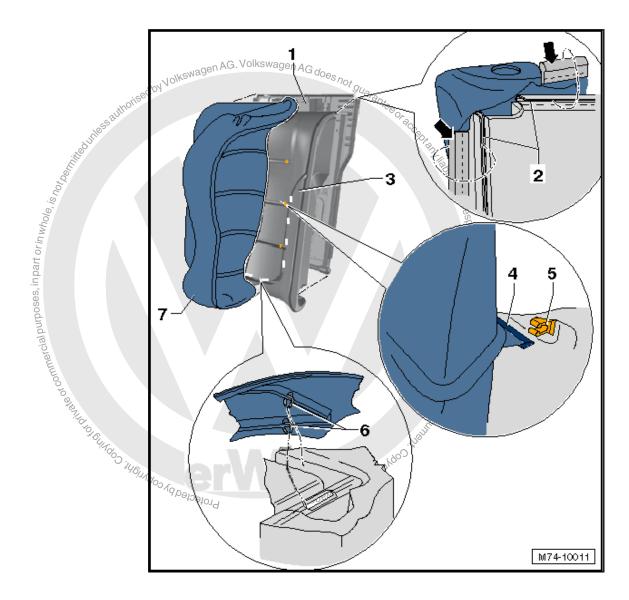
- Loosen the clamping strips -4- from the clip anchor -5-. Push the side braces on the mounts -5- away from each other with a small screwdriver and remove the clamping strips -4-.
- Disconnect all upholstery clips -6- all the way around.
- Remove the cover -7- from the cushion -3-.
- Remove the cushion -3- from the backrest frame -1-.





Note

Carefully guide the cover -7- and the cushion -3- over the headrest guides.



Installing

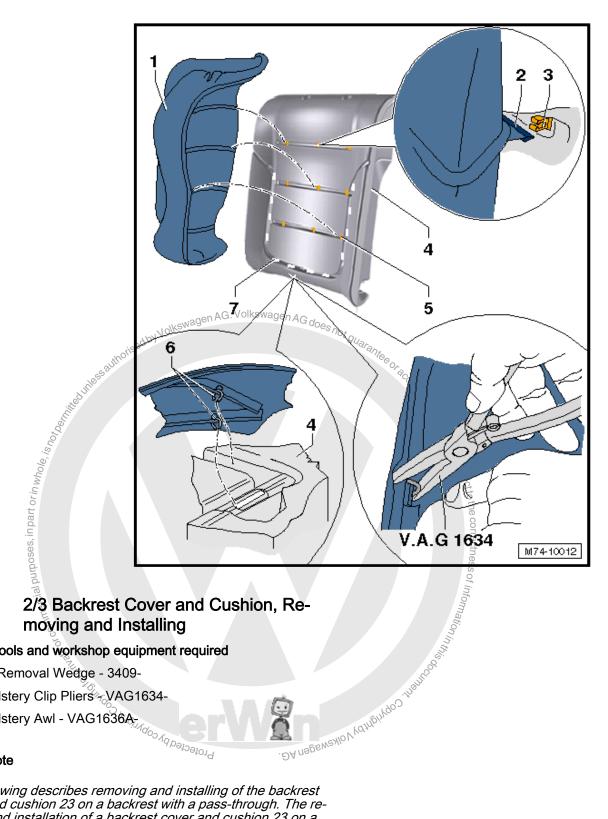


Note

The illustration shows attaching the cover -1- on the »Comfort « version. Installing the seat covers on a »Basis« or »Sport« version is identical.

- Install the cushion on the backrest frame.
- Lay the cover -1- on the cushion -4-.
- Clip the clamping strips -2- for the cover -1- to the clip anchor -3- at the locations shown -5-.
- Attach the seat cover -1- to the cushion -4- all the way around with new upholstery clips -6- at the locations shown -7- using the -VAG1634-.

- Fold up the cover -1- on the sides and attach the clamping strips to the backrest frame.
- Install in reverse order of removal.



2/3 Backrest Cover and Cushion, Re-2.3 moving and Installing

Special tools and workshop equipment required

- ◆ Trim Removal Wedge 3409-
- Upholstery Awl VAG1636A-



Note

The following describes removing and installing of the backrest cover and cushion 23 on a backrest with a pass-through. The removal and installation of a backrest cover and cushion 23 on a backrest without a pass-through is identical.



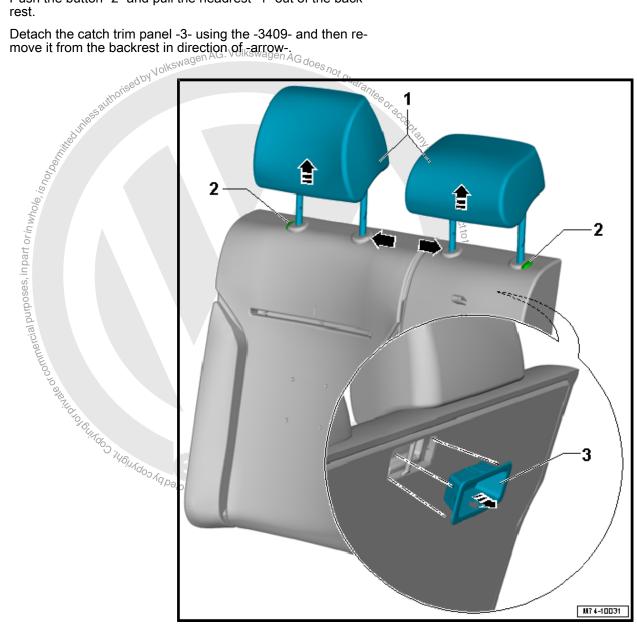
Removing

Vehicles with Pass-Through Unit

Remove the pass-through unit with center armrest. Refer to \Rightarrow "2.4 Pass-Through Unit with Center Armrest, Removing and Installing", page 307 .

All Vehicles

- Remove the bench seat. Refer to ⇒ "2.1 Rear Bench Seat, Removing and Installing",
- Remove the backrest. Refer to ⇒ "2.2 Rear Seat Backrest, Removing and Installing", page 276
- Push the cushion on the headrest guide -arrow-.
- Push the headrest guide -arrow- all the way to the stop using the -3409-.
- Push the button -2- and pull the headrest -1- out of the backrest.
- Detach the catch trim panel -3- using the -3409- and then re-



- Pry the profile -arrows- out of the mounts in the backrest frame Fold the cover -7- up on the sides gen AG does not guarantee.
- Note of sed by Volksw



The illustration shows attaching the cover -7- on the »Comfort« version. Installing the seat covers on a »Basic« or »Sport« version is identical.

- Detach the clamping strips -3- near the pass-through unit from the backrest frame.
- Detach the braces on the non-screwdriver and remove.

 Disconnect all upholstery clips -c

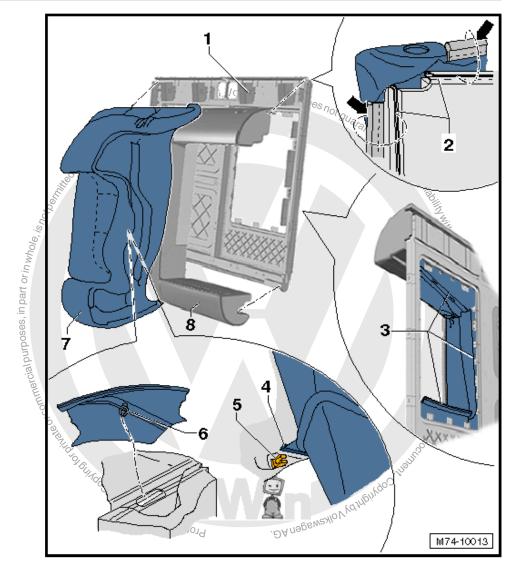
 Remove the cover -7- from the cushion -b-.

 Remove the cushion -8- from the backrest frame -1-.

 Note

 Carefully guide the cover -7- and the cushion -8- over the headrest guides.





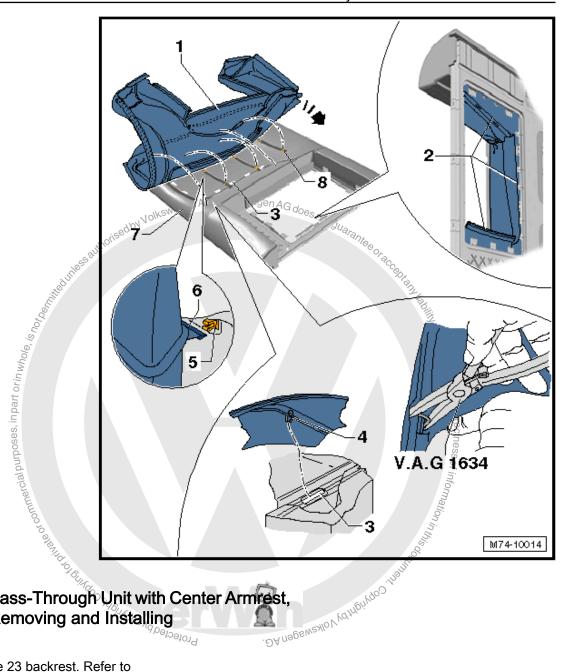
Installing



Note

The illustration shows attaching the cover -1- on the »Comfort« version. Installing the seat covers on a »Basic« or »Sport« version is identical.

- Install the cushion -7- on the backrest frame.
- Lay the cover -1- on the cushion -7-.
- Clip the clamping strips -6- for the cover -1- to the clips -5- at the locations shown -8-.
- Attach the seat cover -1- to the cushion -7- all the way around with new upholstery clips -4- at the locations shown -3- using the -VAG1634-.
- Install the clamping strips -2- near the pass-through unit.
- Fold up the cover -1- on the sides and attach the clamping strips to the backrest frame.
- The rest of the installation is the reverse order of removal.



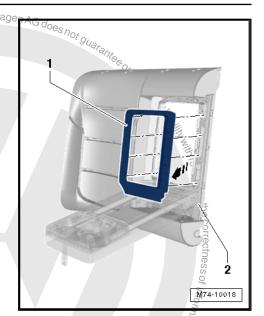
Pass-Through Unit with Center Armrest, 2.4 Removing and Installing

Removing

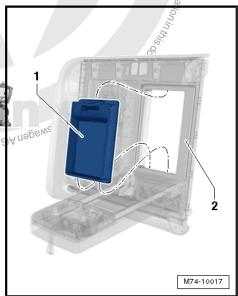
Remove the 23 backrest. Refer to ⇒ "2.2 Rear Seat Backrest, Removing and Installing", page 276 .



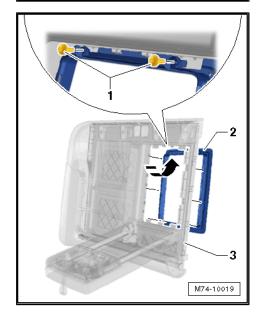
Fold down the center armrest and remove the trime from the backrest frame -2- in direction of -arrow-



- Remove the pass-through unit -1- from the backrest frame -2-.
- Remove the screws -1- (2 Nm) and frame -2- from the backrest frame -3- in direction of -arrow-

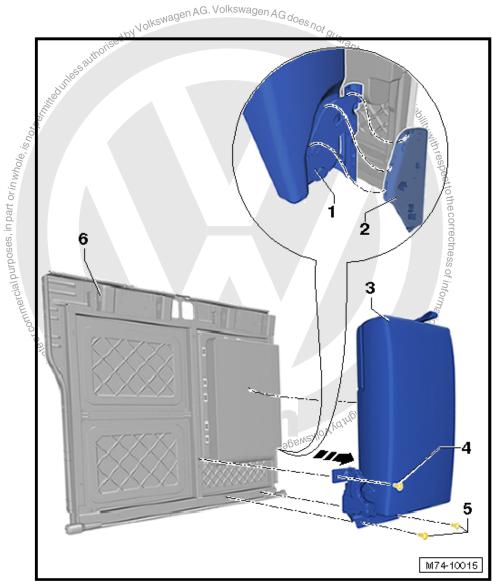


Remove the 23 backrest cover and cushion. Refer to ⇒ "2.3 2/3 Backrest Cover and Cushion, Removing and Installing", page 303.

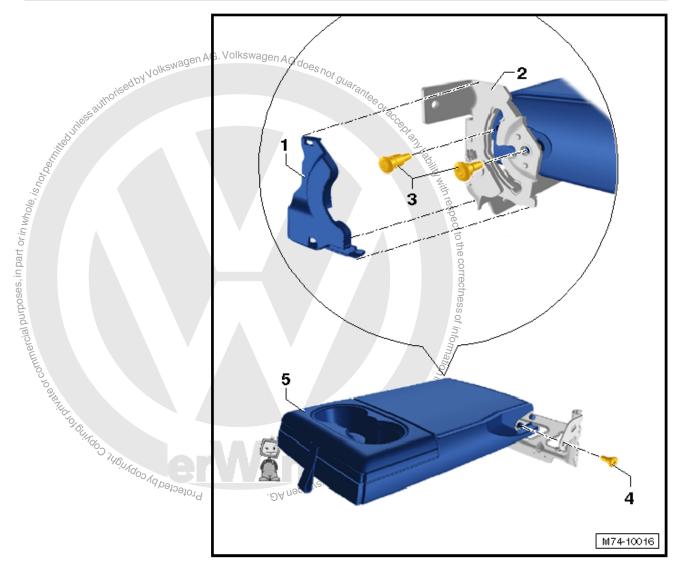


Remove the cap -2- from the center armrest bearing -1-.

- Remove the bolts -4 and 5- (8 Nm).
- Remove the center armrest -3- from the backrest frame -6- in direction of -arrow-.



- Remove the cap -1- from the bracket -2-.
- Remove the bolts -3 and 4- (12 Nm).
- Remove the center armrest -5- from the bracket -2-.



Installing

- Install in reverse order of removal.



Note

Check all the fasteners for damage and replace if necessary.

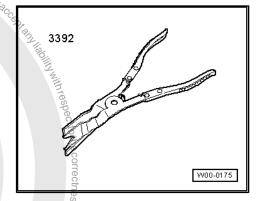
3

Special Tools

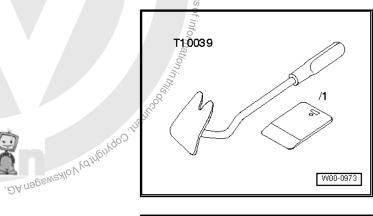
Specia Special tools and workshop equipment required

♦ Door Trim Pliers - 3392-

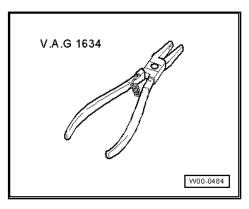
poses, in part or in whole, is not be



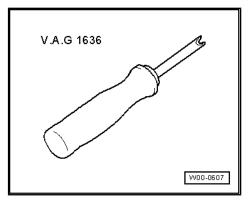
Trim Release Lever - T10039-



AG16: ♦ Upholstery Clip Pliers - VAG1634-

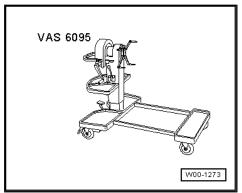


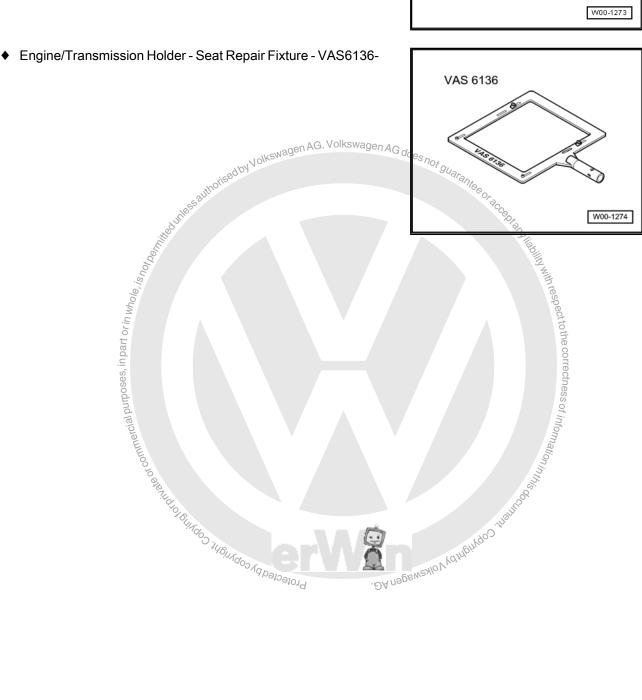
♦ Upholstery Awl - VAG1636A-





♦ Engine And Transmission Holder - VAS6095-

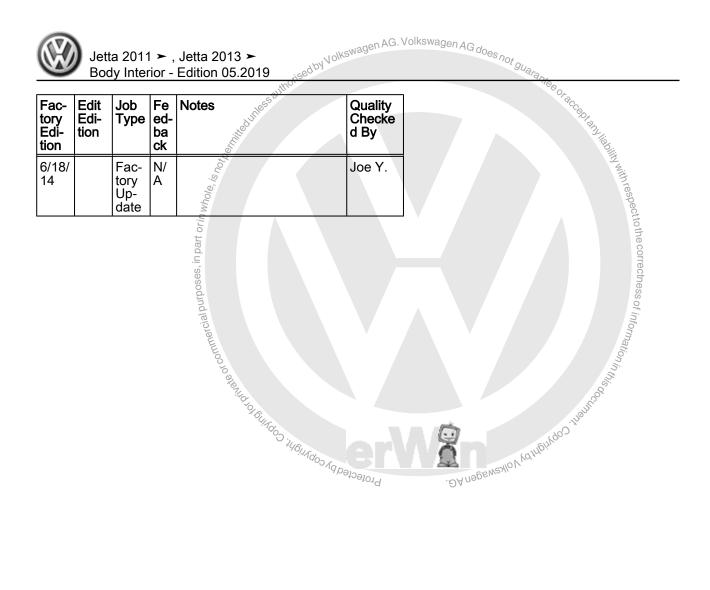




Revision History

DRUCK NUMBER: K0059071321

Fac- tory Edi- tion	Edit Edi- tion	Job Type	ba	Notes - A.G. Volkew	Quality Checke d By
05.2 019	08/2 1/20 19	Fac- tory Up- date	N/ A	sauthorised by Volkswagen A.C. Volkswagen A.C. Volkswagen A.C. Volkswagen A.C. Volkswagen A.C. Volkswagen A.C.	Joe Y
06.2 016	05/0 5/20 19	Feed back	14 28 97 1		Joe Y
06.2 016	08/0 3/20 16	Fac- tory Up- date	N/ A		Joe Y
02.2 016	03/2 8/20 16 - Sag	Fac- tory Up- date	N/ A	RG 69 - 11 update from factory	Joe Y
07.2 014	02/1 2/20 16	Feed back	11 49 68 7	Replaced section RG 69 - 11 per factory	Joe Y
07.2 014	06/2 5/20 15	Cor- rec- tion	N/ A	Fixed broken Links	Eric P.
07.2 014	06/0 8/20 15	Re- for- mat	N/ Ao _u	Gr.	Joe Y.
11/1 3/20 14		Feed back 1055 655 & 1055 525	N/ A	Protected by Vologing (ACO)	Joe Y Joe Y Joe Y Joe Y Joe Y Joe Y. Joe Y.
11/0 4/20 14		Feed back 1052 220			Joe Y.
10/2 1/20 14		Fac- tory Up- date	On ly me ta da- ta ch an ge s thr ou gh out R M		Jim H.



Cautions & Warnings

Please read these WARNINGS and CAUTIONS before proceeding with maintenance and repair work. You must answer that you have read and you understand these WARNINGS and CAUTIONS before you will be allowed to view this information.

- If you lack the skills, tools and equipment, or a suitable workshop for any procedure described in this manual, we suggest you leave such repairs to an authorized Volkswagen retailer or other qualified shop. We especially urge you to consult an authorized Volkswagen retailer before beginning repairs on any vehicle that may still be covered wholly or in part by any of the extensive warranties issued by Volkswagen.
- Disconnect the battery negative terminal (ground strap) whenever you work on the fuel system or the electrical system. Do not smoke or work near heaters or other fire hazards. Keep an approved fire extinguisher handy.
- Volkswagen is constantly improving its vehicles and sometimes these changes, both in parts and specifications, are made applicable to earlier models. Therefore, part numbers listed in this manual are for reference only. Always check with your authorized Volkswagen retailer parts department for the latest information.
- Any time the battery has been disconnected on an automatic transmission vehicle, it will be necessary to reestablish Transmission Control Module (TCM) basic settings using the Volkswagen Factory Approved Scan Tool (ST).
- nercial purposes, in part or in who Never work under a lifted vehicle unless it is solidly supported on stands designed for the purpose. Do not support a vehicle on cinder blocks, hollow tiles or other props that may crumble under continuous load. Never work under a vehicle that is supported solely by a jack. Never work under the vehicle while the engine is
 - For vehicles equipped with an anti-theft radio, be sure of the correct radio activation code before disconnecting the battery or removing the radio. If the wrong code is entered when the power is restored, the radio may lock up and become inoperable, even if the correct code is used in a later attempt.
 - If you are going to work under a vehicle on the ground, make sure that the ground is level. Block the wheels to keep the vehicle from rolling. Disconnect the battery negative terminal (ground strap) to prevent others from starting the vehicle while you are under it
 - Do not attempt to work on your vehicle if you do not feel well. You increase the danger of injury to yourself and others if you are tired, upset or have taken medicine or any other substances that may impair you or keep you from being fully alert.
 - Never run the engine unless the work area is well ventilated. Carbon monoxide (CO) kills.
 - Always observe good workshop practices. Wear goggles when you operate machine tools or work with acid. Wear goggles, gloves and other protective clothing whenever the job requires working with harmful substances.
 - Tie long hair behind your head. Do not wear a necktie, a scarf, loose clothing, or a necklace when you work near machine tools or running engines. If your hair, clothing, or jewelry were to get caught in the machinery, severe injury could result.
 - Do not re-use any fasteners that are worn or deformed in normal use. Some fasteners are designed to be used only once and are unreliable and may fail if used a second time. This includes, but is not limited to, nuts, bolts, washers, circlips and cotter pins. Always follow the recommendations in this manual - replace these fasteners with new parts where indicated, and any other time it is deemed necessary by inspection.

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Cautions & Warnings

- Illuminate the work area adequately but safely. Use a portable safety light for working inside or under the vehicle. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.
- Friction materials such as brake pads and clutch discs may contain asbestos fibers. Do not create dust by grinding, sanding, or by cleaning with compressed air. Avoid breathing asbestos fibers and asbestos dust. Breathing asbestos can cause serious diseases such as asbestosis or cancer, and may result in death.
- Finger rings should be removed so that they cannot cause electrical shorts, get caught in running machinery, or be crushed by heavy parts.
- Before starting a job, make certain that you have all the necessary tools and parts on hand. Read all the
 instructions thoroughly; do not attempt shortcuts. Use tools that are appropriate to the work and use only
 replacement parts meeting Volkswagen specifications. Makeshift tools, parts and procedures will not make good
 repairs.
- Catch draining fuel, oil or brake fluid in suitable containers. Do not use empty food or beverage containers that
 might mislead someone into drinking from them. Store flammable fluids away from fire hazards. Wipe up spills
 at once, but do not store the oily rags, which can ignite and burn spontaneously.
- Use pneumatic and electric tools only to loosen threaded parts and fasteners. Never use these tools to tighten fasteners, especially on light alloy parts. Always use a torque wrench to tighten fasteners to the tightening torque listed.
- Keep sparks, lighted matches, and open flame away from the top of the battery. If escaping hydrogen gas is ignited, it will ignite gas trapped in the cells and cause the battery to explode.
- Be mindful of the environment and ecology. Before you drain the crankcase, find out the proper way to dispose
 of the oil. Do not pour oil onto the ground, down a drain, or into a stream, pond, or lake. Consult local
 ordinances that govern the disposal of wastes.
- The air-conditioning (A/C) system is filled with a chemical refrigerant that is hazardous. The A/C system should be serviced only by trained automotive service technicians using approved refrigerant recovery/recycling equipment, trained in related safety precautions, and familiar with regulations governing the discharging and disposal of automotive chemical refrigerants.
- Before doing any electrical welding on vehicles equipped with anti-lock brakes (ABS), disconnect the battery negative terminal (ground strap) and the ABS control module connector.
- Do not expose any part of the A/C system to high temperatures such as open flame. Excessive heat will increase system pressure and may cause the system to burst.
- When boost-charging the battery, first remove the fuses for the Engine Control Module (ECM), the Transmission Control Module (TCM), the ABS control module, and the trip computer. In cases where one or more of these components is not separately fused, disconnect the control module connector(s).
- Some of the vehicles covered by this manual are equipped with a supplemental restraint system (SRS), that automatically deploys an airbag in the event of a frontal impact. The airbag is operated by an explosive device. Handled improperly or without adequate safeguards, it can be accidentally activated and cause serious personal injury. To guard against personal injury or airbag system failure, only trained Volkswagen Service technicians should test, disassemble or service the airbag system.

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Cautions & Warnings

- Do not quick-charge the battery (for boost starting) for longer than one minute, and do not exceed 16.5 volts at the battery with the boosting cables attached. Wait at least one minute before boosting the battery a second time.
- Never use a test light to conduct electrical tests of the airbag system. The system must only be tested by trained Volkswagen Service technicians using the Volkswagen Factory Approved Scan Tool (ST) or an approved equivalent. The airbag unit must never be electrically tested while it is not installed in the vehicle.
- Some aerosol tire inflators are highly flammable. Be extremely cautious when repairing a tire that may have been inflated using an aerosol tire inflator. Keep sparks, open flame or other sources of ignition away from the tire repair area. Inflate and deflate the tire at least four times before breaking the bead from the rim. Completely remove the tire from the rim before attempting any repair.
- When driving or riding in an airbag-equipped vehicle, never hold test equipment in your hands or lap while the vehicle is in motion. Objects between you and the airbag can increase the risk of injury in an accident.



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